

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. 0317MH-23513C42

In re Application of:

DANIEL A. HENDERSON

Serial No. To Be Assigned

Filed: Herewith

For: METHOD AND APPARATUS
FOR IMPROVED PAGING
RECEIVER AND SYSTEM

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§
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Examiner:

Art Unit:

PRELIMINARY AMENDMENT

Box: Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examining the subject application, please enter the following amendments and consider the following remarks.

"EXPRESS MAIL" No. EV011196201US

Date of Deposit: 7 November 2001

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By: 

1004191-11001

IN THE CLAIMS:

Please cancel Claims 2-17.

Please add the following new claims:

--18. A paging system, comprising:

a paging service; and

a pager that includes a first database, wherein the paging service sends a page containing an identification of a menu to the pager, the identification being different than the menu and the menu being prestored in the pager, the pager retrieving the menu from the first database based on the identification and displays the menu, wherein the pager responds to the page based on a selection from the displayed menu.

19. The paging system of claim 18, further comprising a second database coupled to the paging service, wherein when the paging service receives a call directed to the pager, the paging system determines the identification based on a caller identification corresponding to the call and information in the second database.

20. The paging system of claim 19, wherein the information in the second database includes:

a first portion that associates the caller identifications with menu identifications;

and

a second portion that contains menus, each of the menu identifications corresponding to one of the menus.

21. The paging system of claim 20, wherein menus in the first database correspond to the menus in the second portion of the second database, the menu identifications identifying the same menus in the first database and the second portion of the second database.

22. The paging system of claim 18, wherein the pager displays other menus based

on inputs received through a user interface.

23. The paging system of claim 22, wherein the pager responds to the page based on a selection from the displayed menu.

24. A method for operating a paging system, comprising:

sending a page from a paging service to a pager, the page containing an identification of a menu, the identification being different than the menu and the menu being prestored in the pager;

retrieving the menu from a first database of a pager based on the identification;

displaying the retrieved menu;

selecting an item from the displayed menu; and

responding to the page based on the selection of the selecting step.

25. The method of claim 24, further comprising:

receiving a call directed to the pager; and

determining the identification based on a caller identification that corresponds to the call and information in a second database coupled to the paging service.

26. The method of claim 25, wherein the information in the second database includes:

a first portion that associates the caller identifications with menu identifications;

and

a second portion that contains menus, each of the menu identifications corresponding to one of the menus.

27. The method of claim 26, wherein menus in the first database correspond to the menus in the second portion of the second database, the menu identifications identifying the same menus in the first database and the second portion of the second database.

28. The method of claim 24, further comprising displaying other menus based on inputs received through a user interface.

29. The paging system of claim 28, further comprising:
selecting an item from the displayed menu; and
responding to the page based on the selection of the selecting step.--

IN THE DRAWINGS:

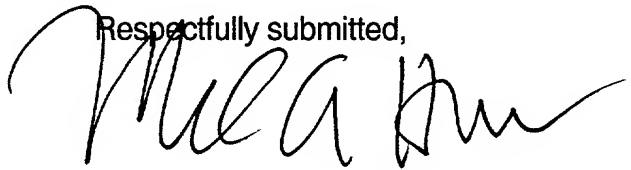
Please substitute the enclosed drawings for the original drawings. These substitute drawings add no new matter to the application.

REMARKS

Claims 18-29 being added by this amendment are copied from, and identical to, Claims 1-12 of U.S. Patent No. 6,144,839, issued 7 November 2000, to Foladare et al. The claims are supported by the Applicant's specification, and the application has a priority date earlier than U.S. Patent No. 6,144,839.

Enclosed is a check in the amount of \$370.00 for the basic filing fee. If any additional fees are required please charge that fee to Deposit Account No. 50-1060.

Respectfully submitted,



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ATTORNEY FOR APPLICANT

FOOT" 15T400T

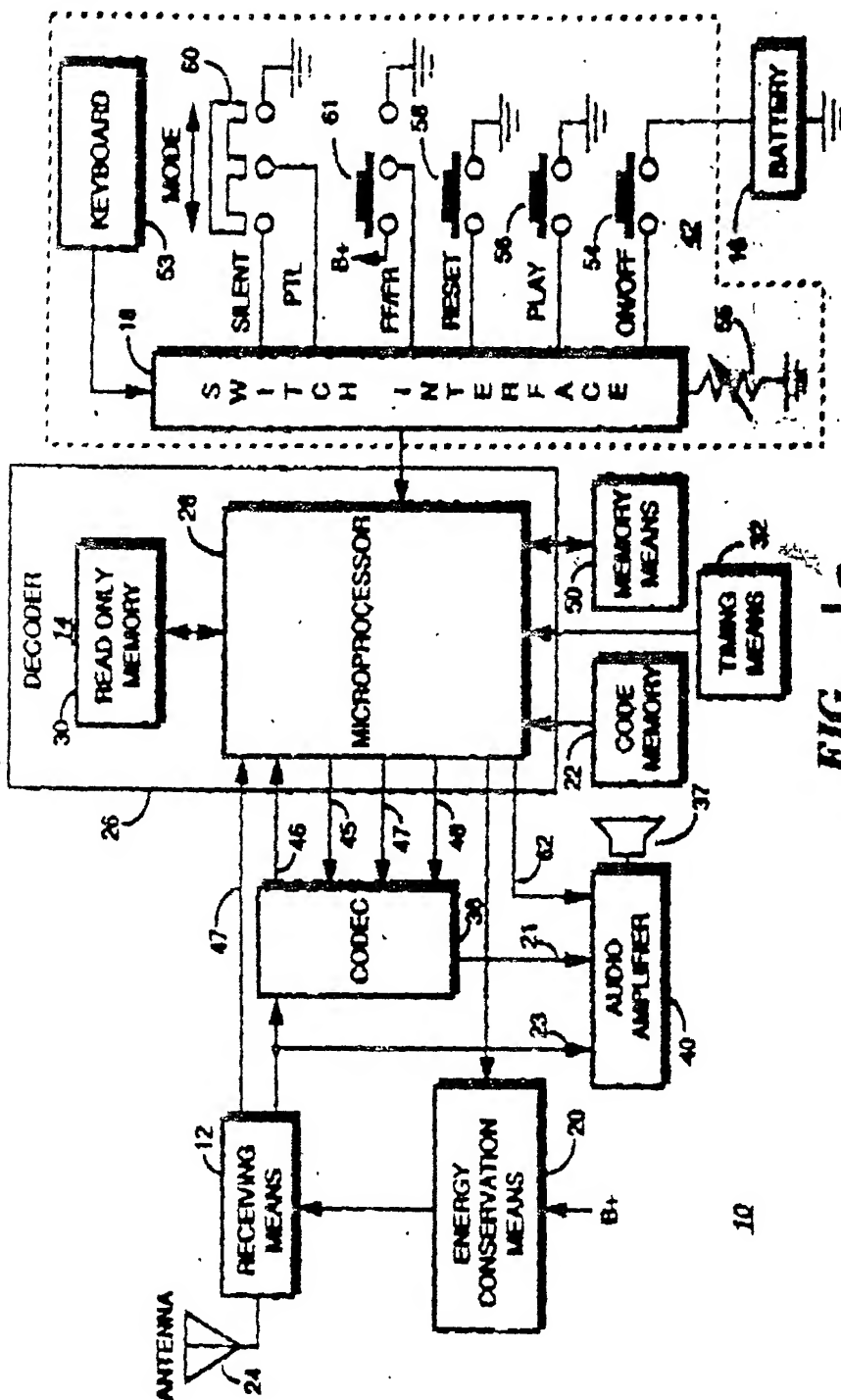


FIG. 1e

PRIOR ART

FROM : Panasonic FAX SYSTEM

PHONE NO. :

Mar. 18 1995 05:31PM PJ

08/726024

Great figure!
of 515337
claims.

STORED VOICE PAGING RECEIVER WITH
SYNTHESIZED SPEECH ALERT

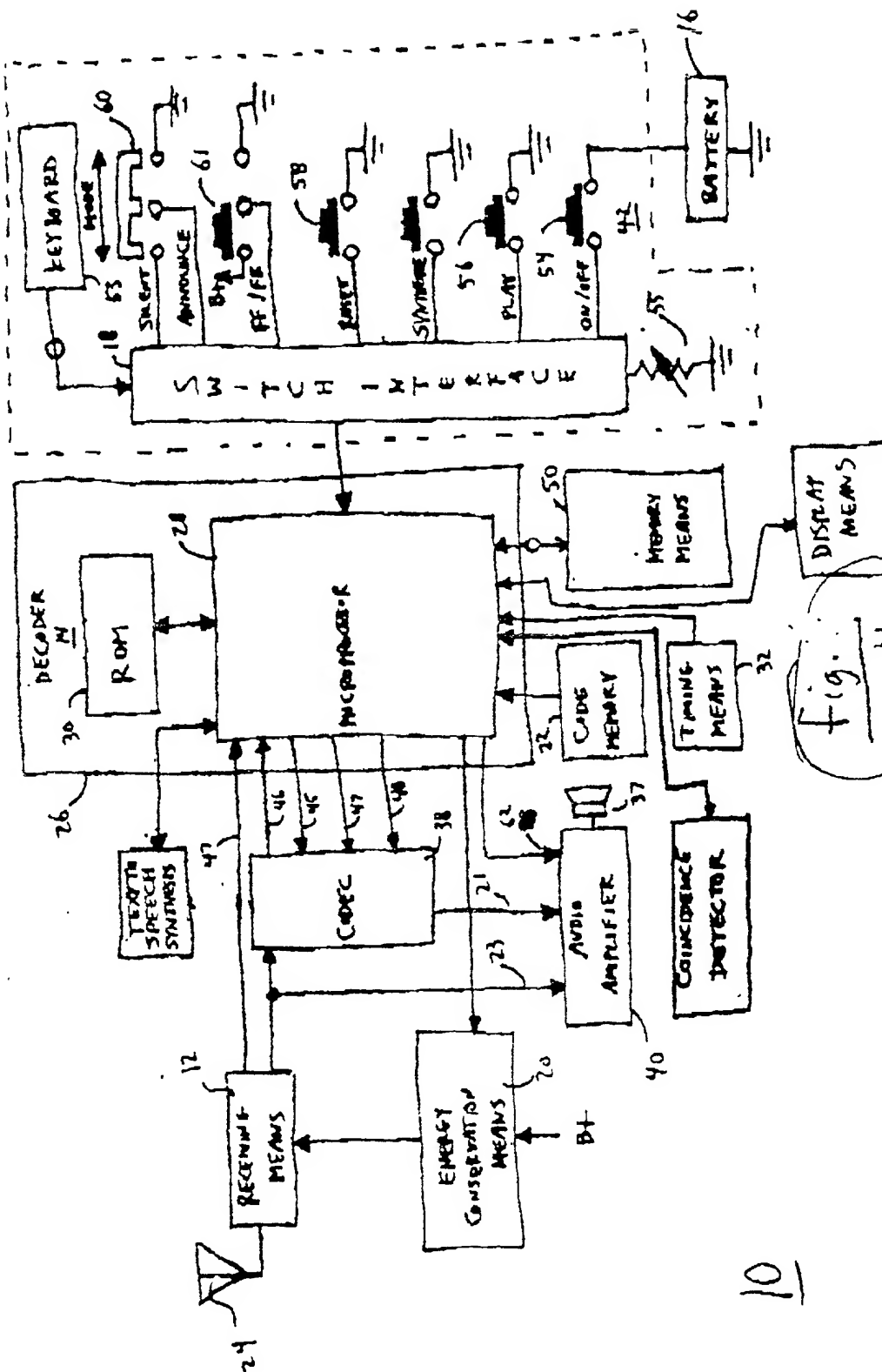


Fig. 16

10

LHA

1: Panasonic FAX SYSTEM

PHONE NO. :

08/726024

SEE U.S. 5,153,579

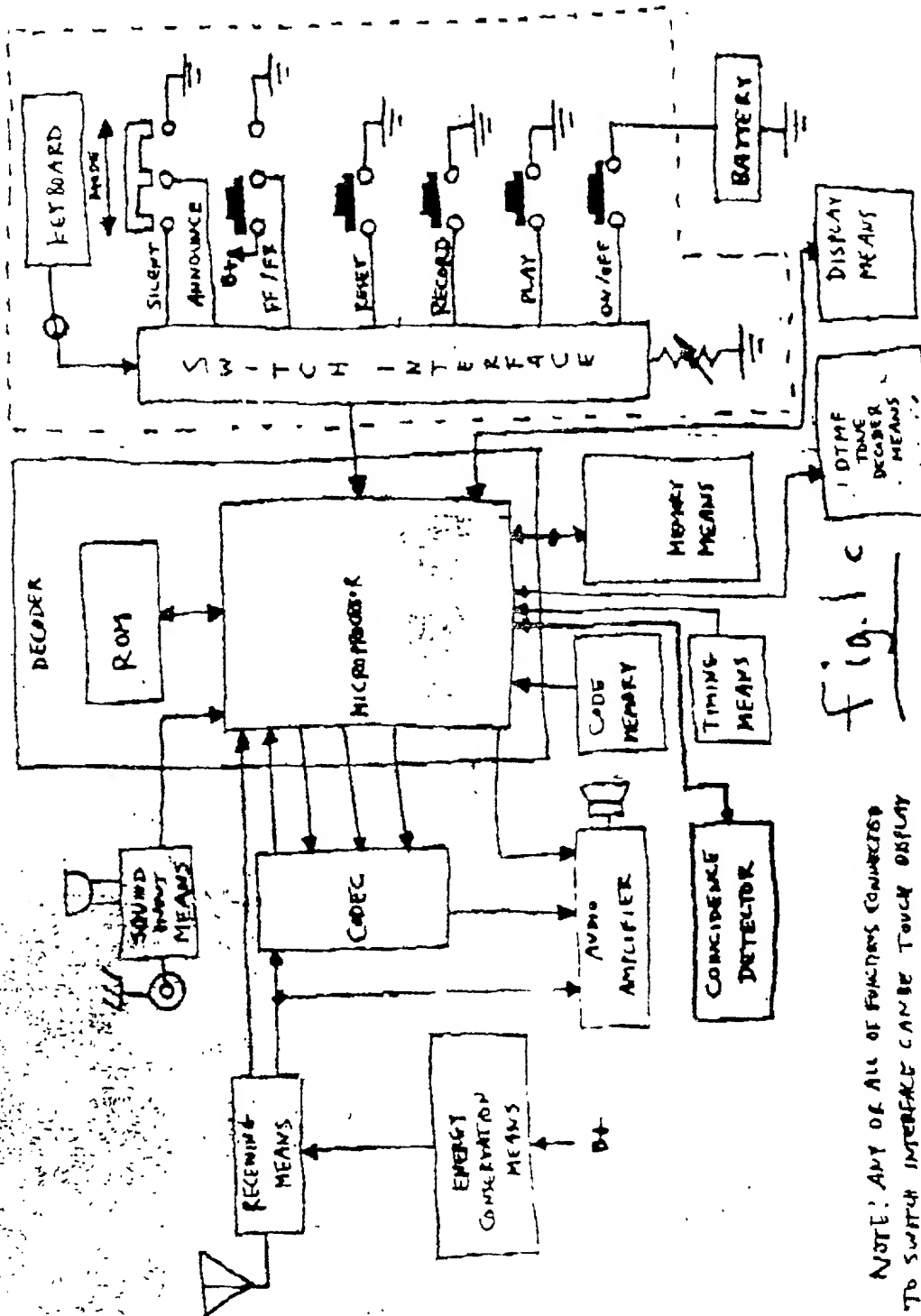


Fig. 1c

NOTE: ANY OF ALL OF FUNCTIONS CONNECTED TO SWITCH INTERFACE CAN BE TOUCH DISPLAY ACTIVATED.

ROM : Panasonic FAX SYSTEM

PHONE NO. :

Mar. 18 1995 05:36PM P12

08/726024

DH8

AUTO DIALING TYPE PAGING RECEIVER WITH TEXT TO SPEECH SYNTHESIS

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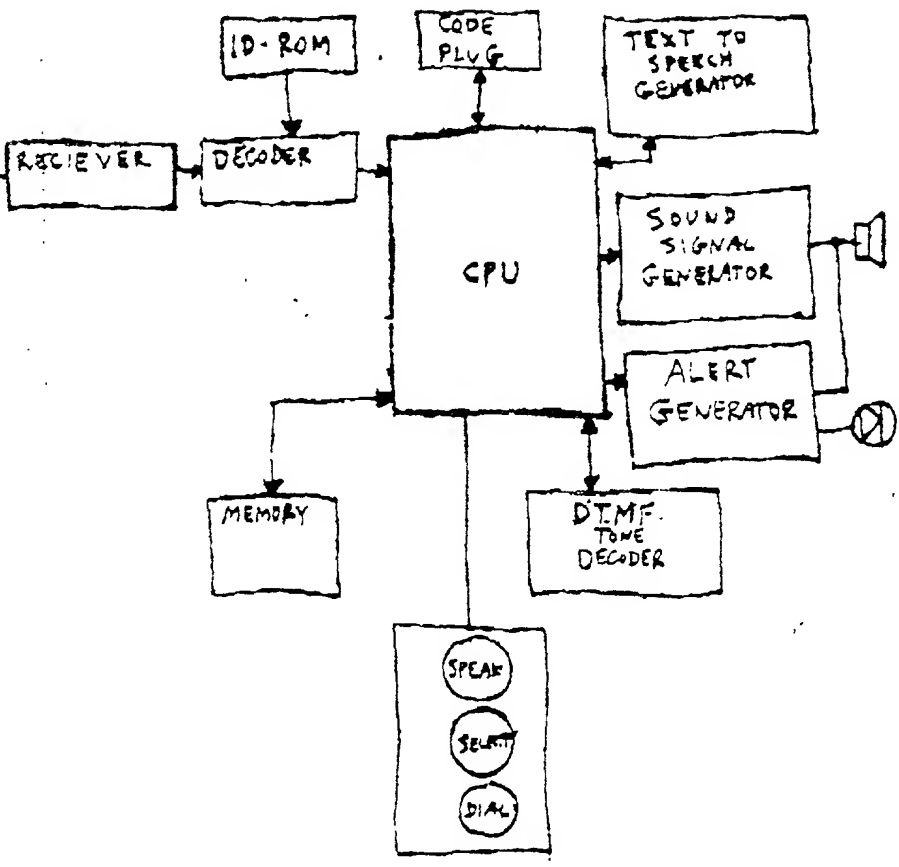


Fig. 1d

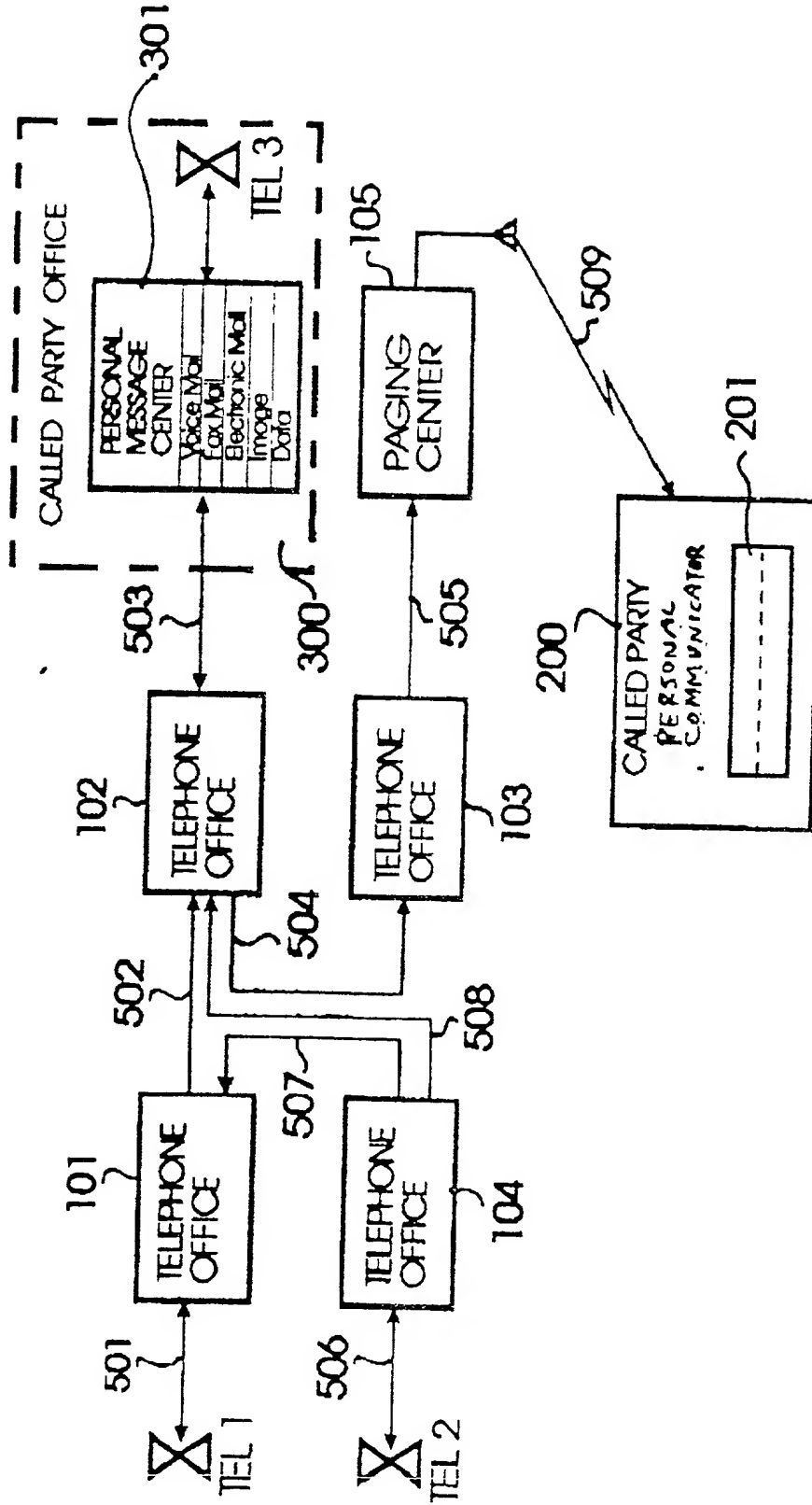


FIG. 2^a

08/726024

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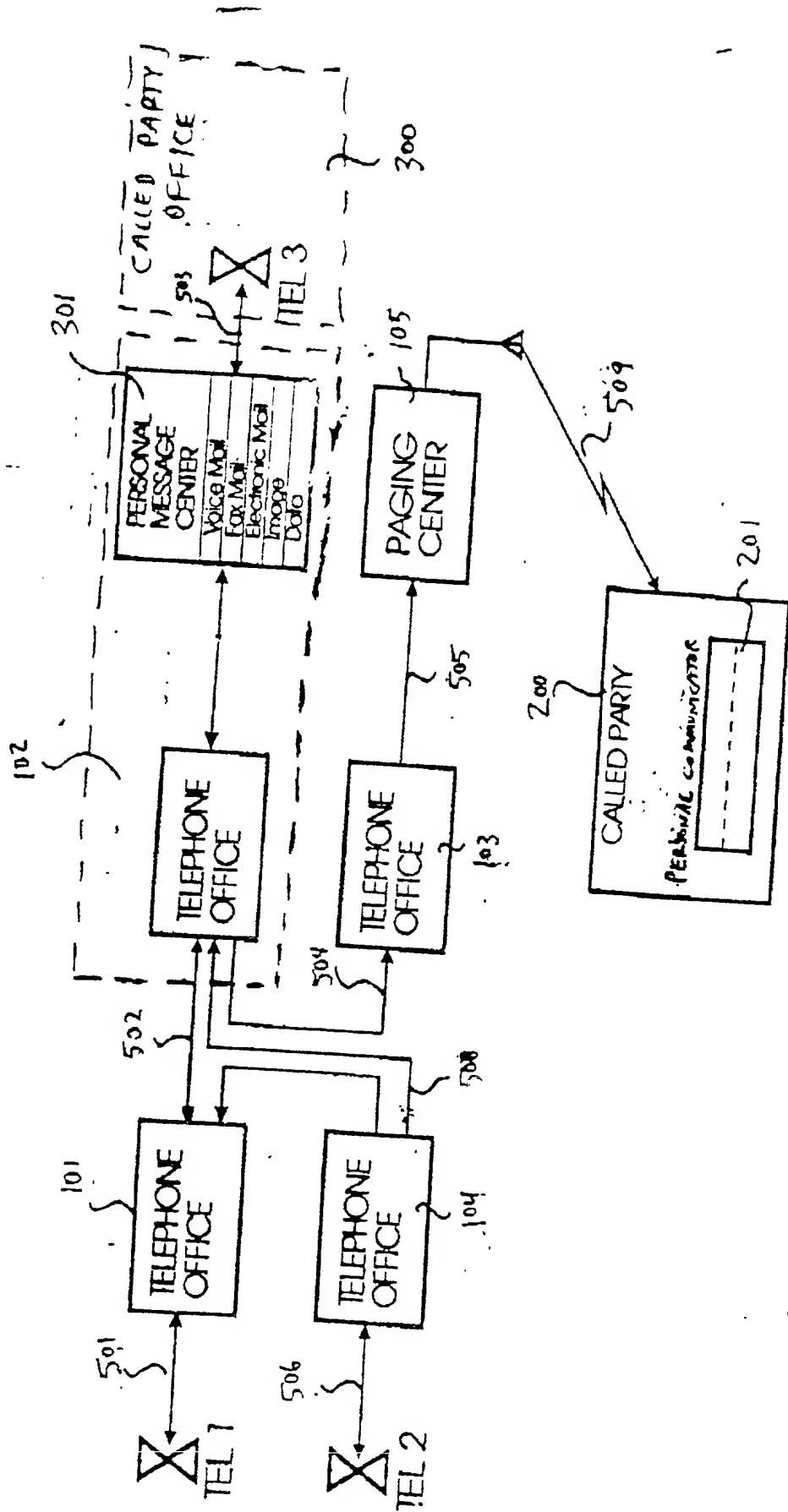


FIG 31

08/726024

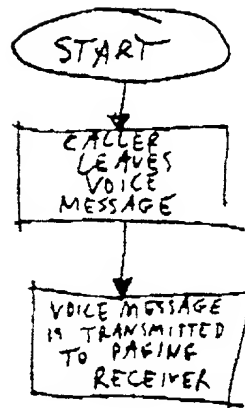


FIG. 3a (PRIOR ART)

10047191-110701

7

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10047401.11001



FIG. 36

8

08/726024

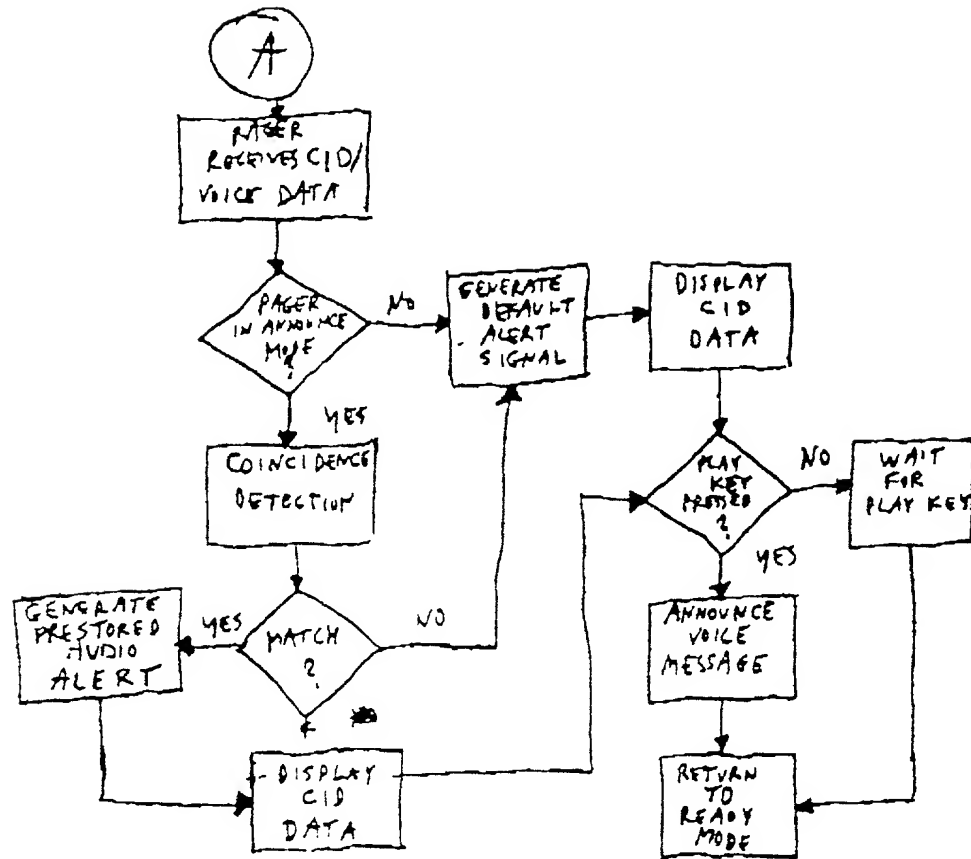


FIG 4a

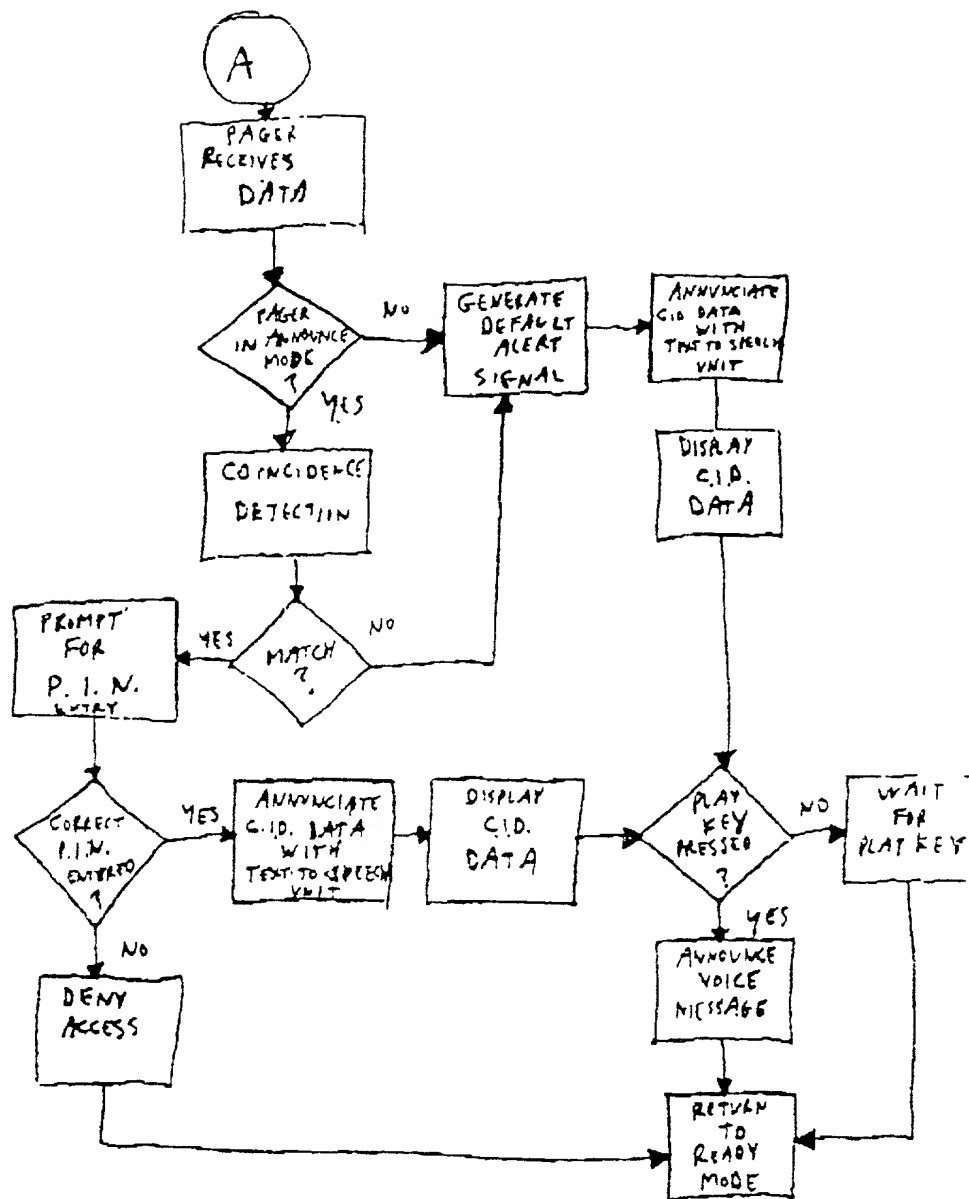


FIG. 4b

08/726024

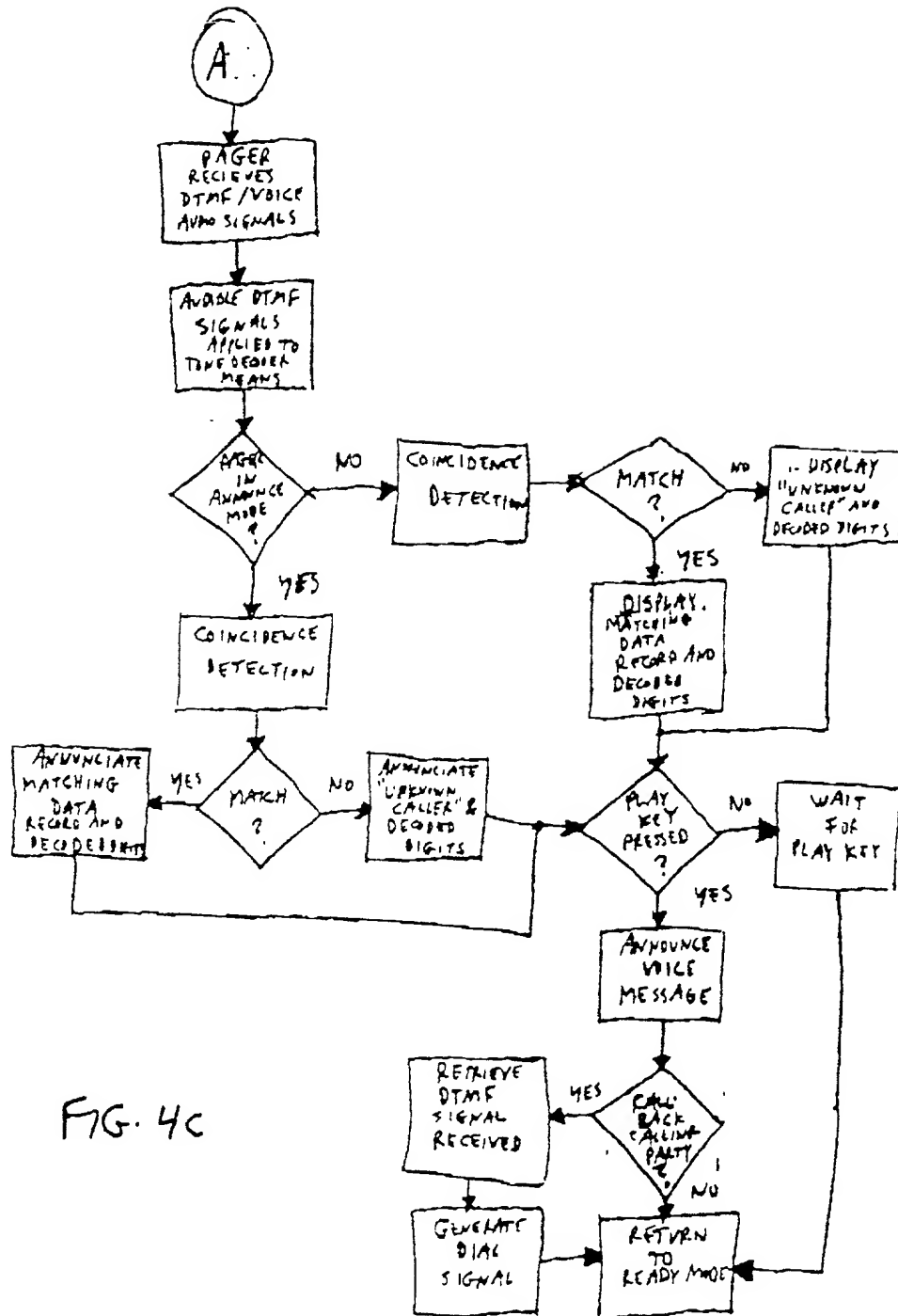


FIG. 4C

30047191-110701

08/726024

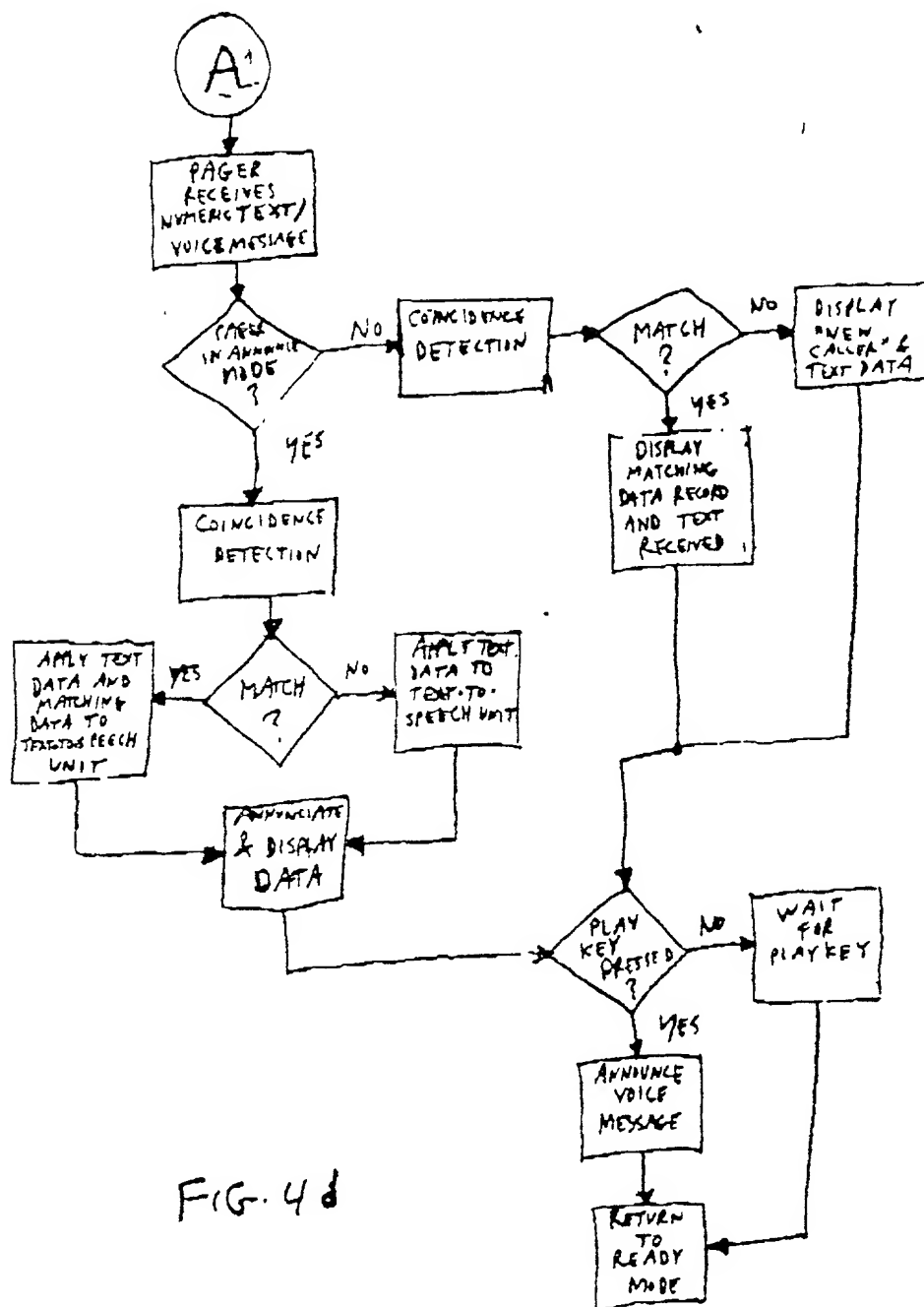


FIG. 4d

FOOTNOTES

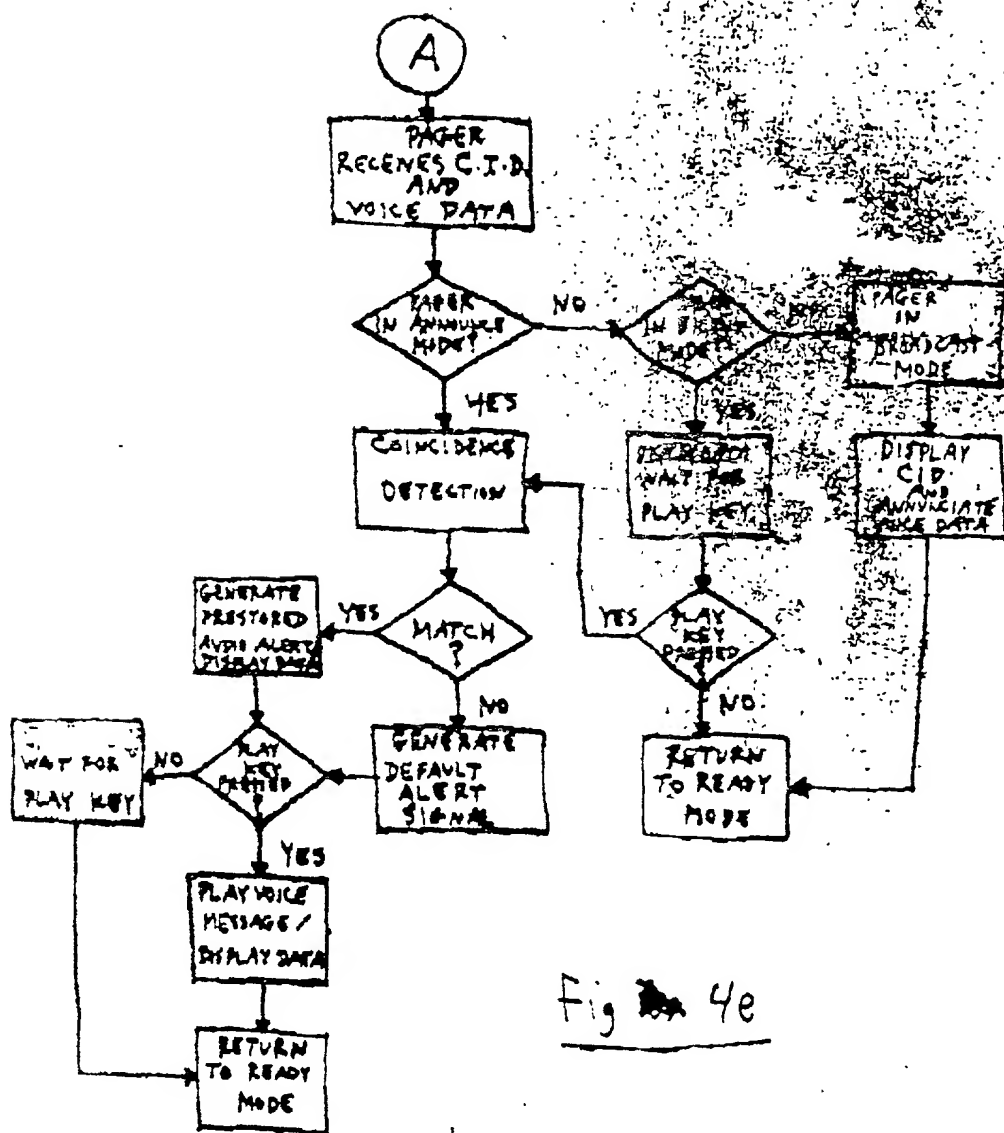


Fig 4e

NOTE: MATCH OF CERTAIN C.I.D. DATA MAY CAUSE PRESTORED AUDIO ALERT OF "OFFICE" TO BE HEARD, OR "WIFE", OR SOME DOWNLOADED IWAY FILE FROM A.P.C.. Certain incoming messages could require entry of a pin or voice command prior to being heard for security purposes.


FOOTPRINT

PRESTORED MEMORY RECORD

RECORD 1

DR. KAZUO HASHIMOTO
123 WEST RD.
SAN FRANCISCO CA 94541

(415)-555-1212 (H)
(415)-555-2222 (F)
(415)-766-1111 (M)




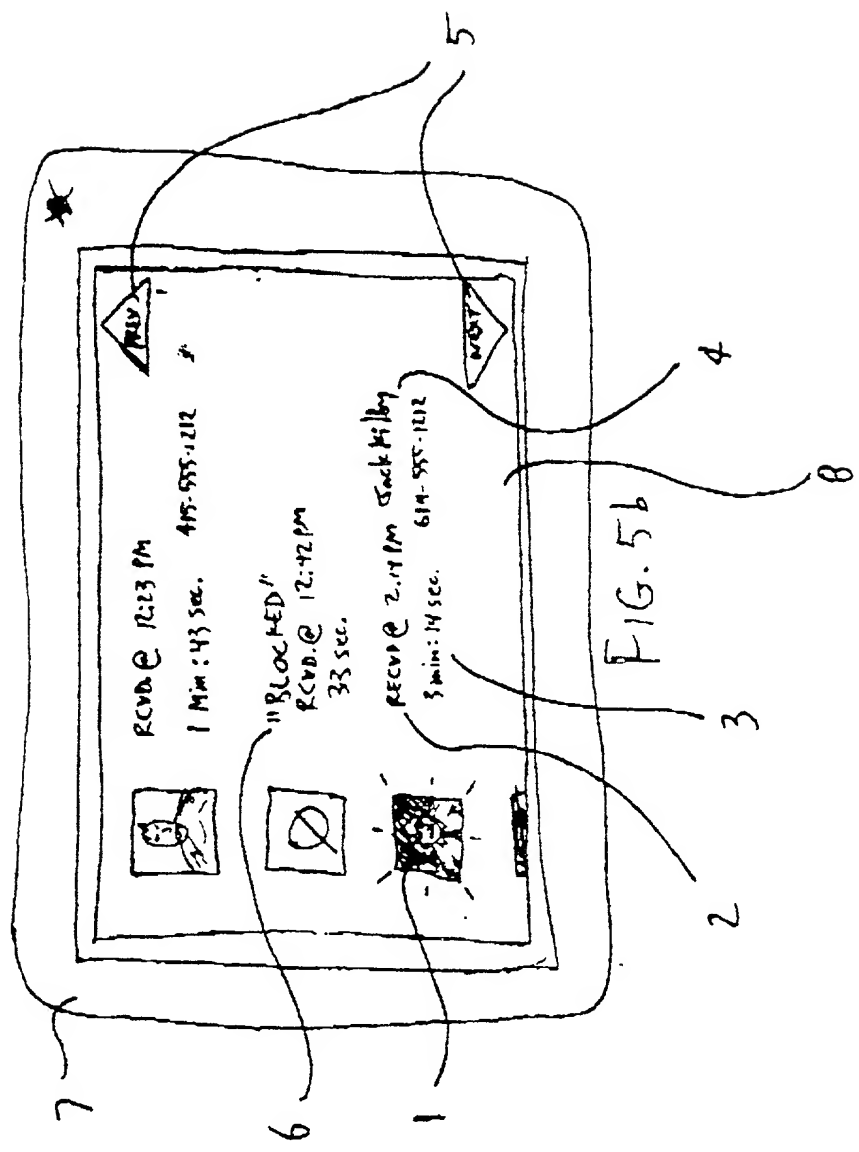


FIG. 5a

FIG. 5b



(11)

[illegible]

CALLER ID MEMORY ADDRESS REGISTER			
CALL	CALLING NUMBER	CALLING NAME	TIME/DATE
1	415-555-1212 BLOCKED	Karen Hashimoto BLOCKED	12:33pm 3/15/93
2			12:42pm 3/15/93
3	617-555-1212	Jack Kilby	2:14PM 3/15/93
.			
1			
.			
.			
.			
X	617-555-1212	THOMAS EDISON	

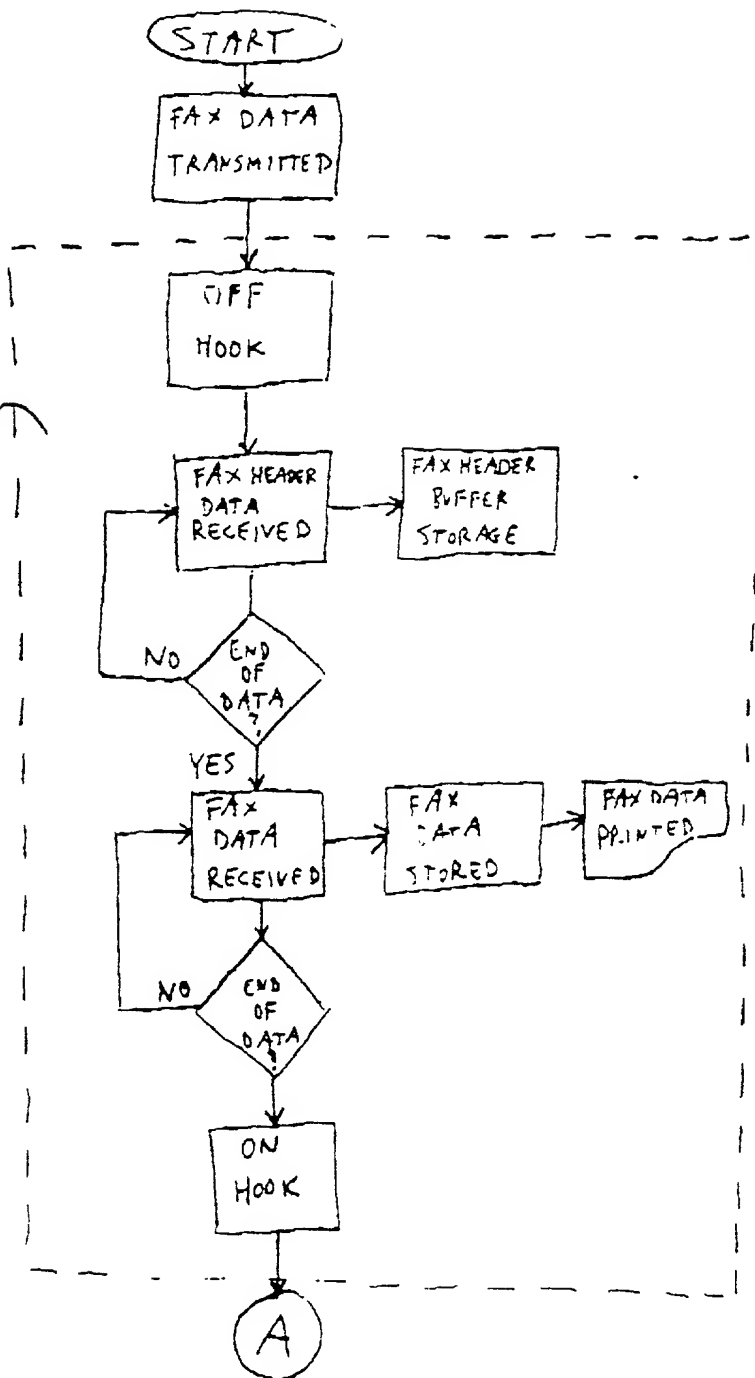
16.50

08/726024
DH 12

Figure 6A

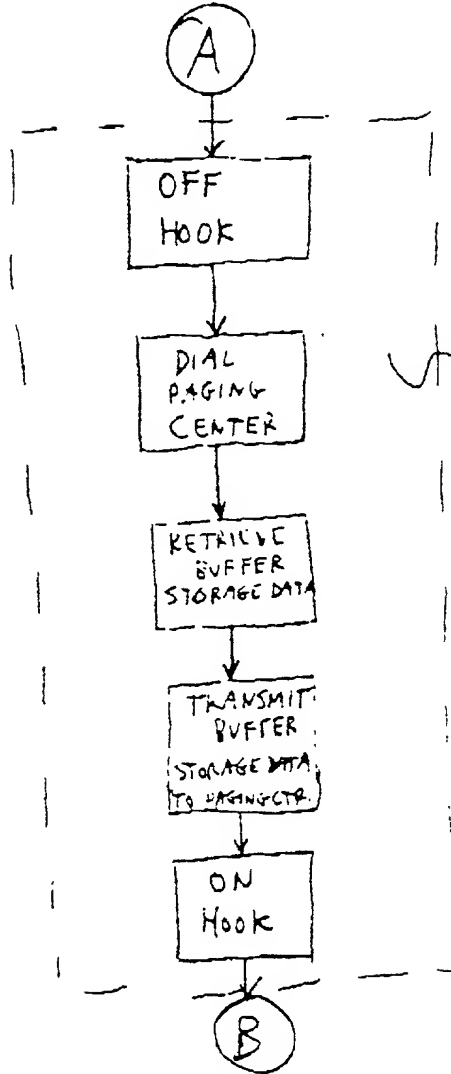
10047191.110704
T02T T62400T

FAX
DEVICE



08/726024
DH 12

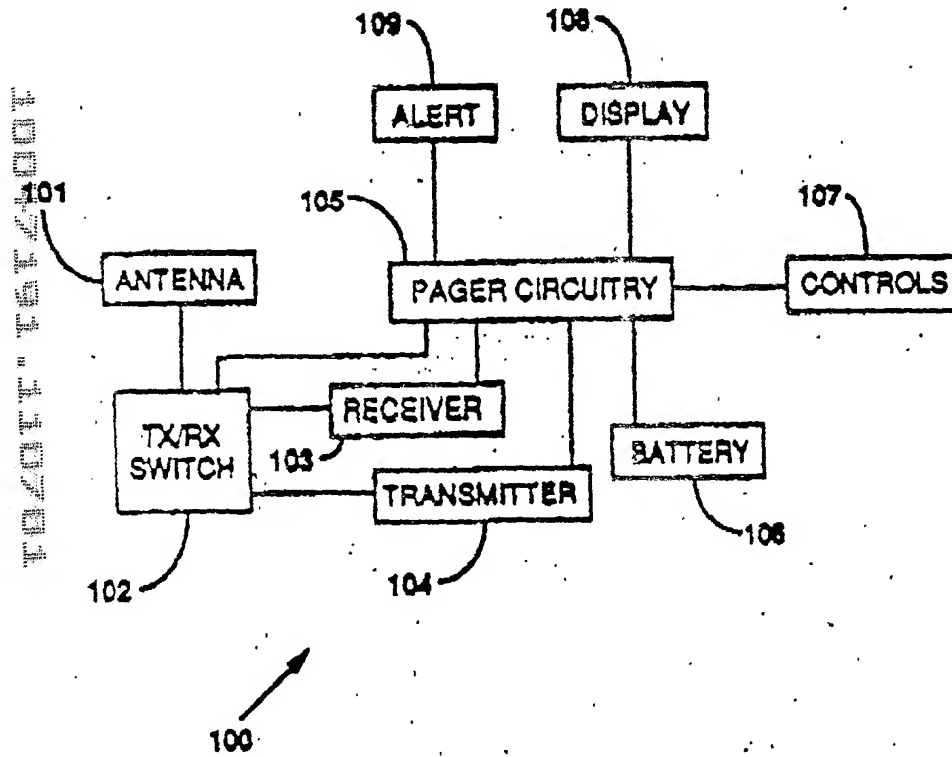
Figure 34



✓ PC or Fax
Device

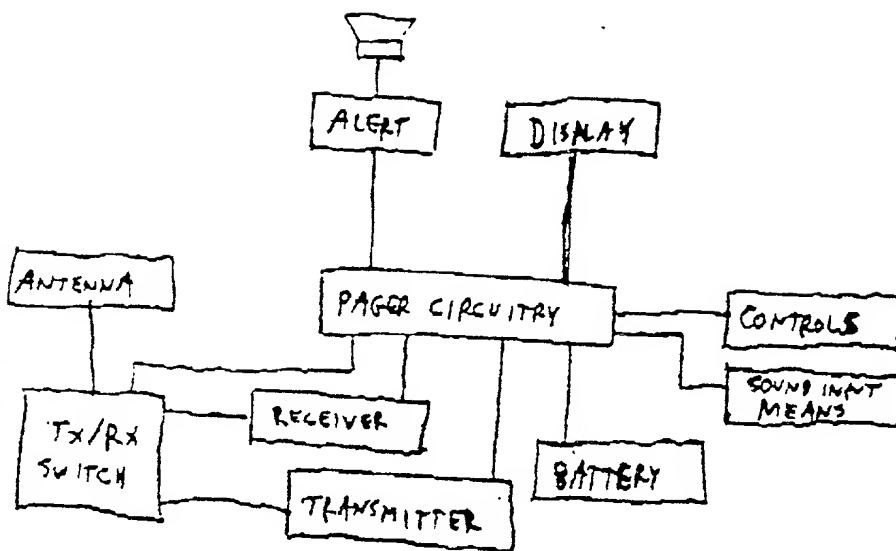
10045151.110701

FIG. 1A



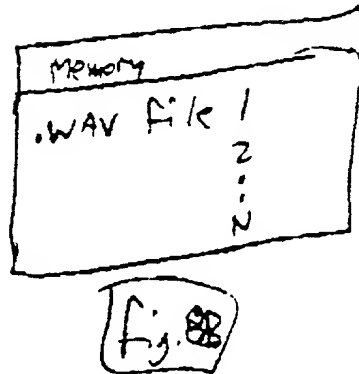
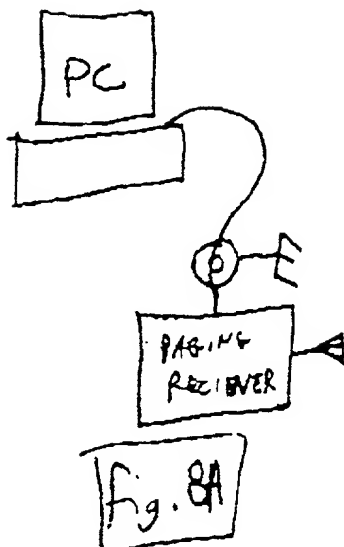
08/726024

FIG. 76



IMPROVED STORED VOICE
ACK-BACK PAGING RECEIVER

US 5,124,697, 4,811,371, 4,940,863, 4,914,649,
4,875,038 incorporated by reference.

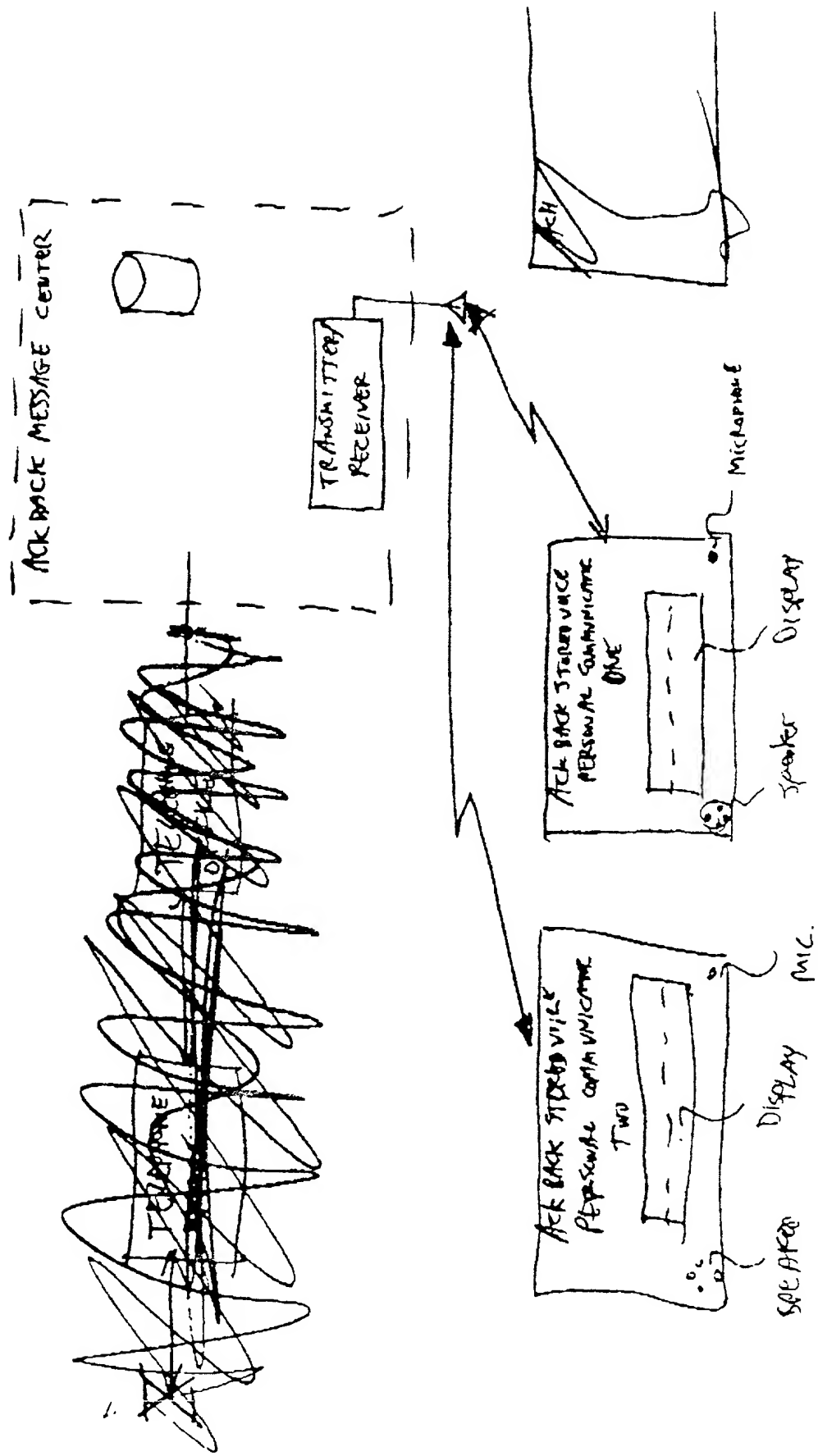


10047191-110701

TELETYPE UNIT

F16.9a

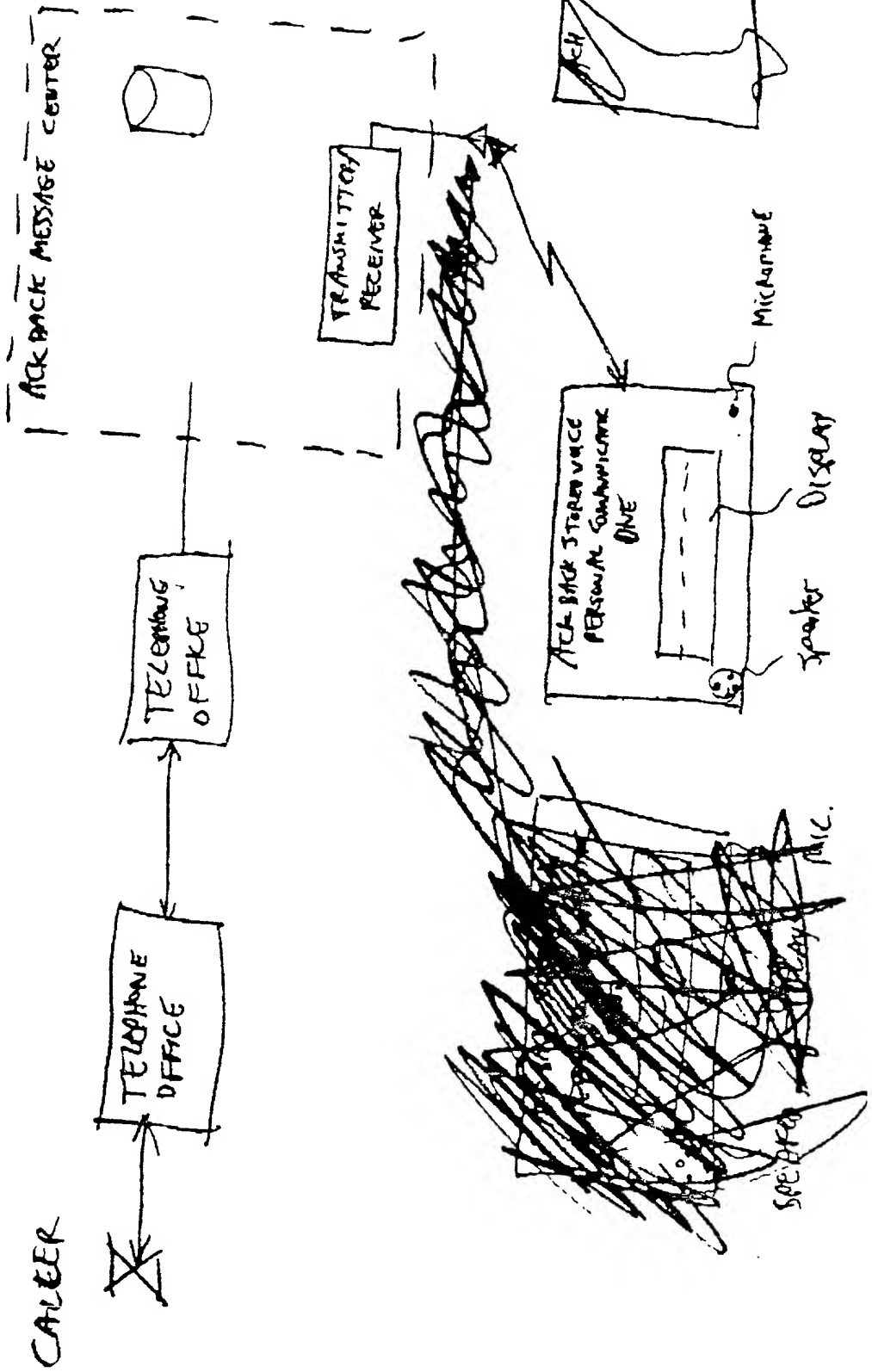
(2)




NOTE: PERSONAL COMMUNICATIONS MAY ALSO

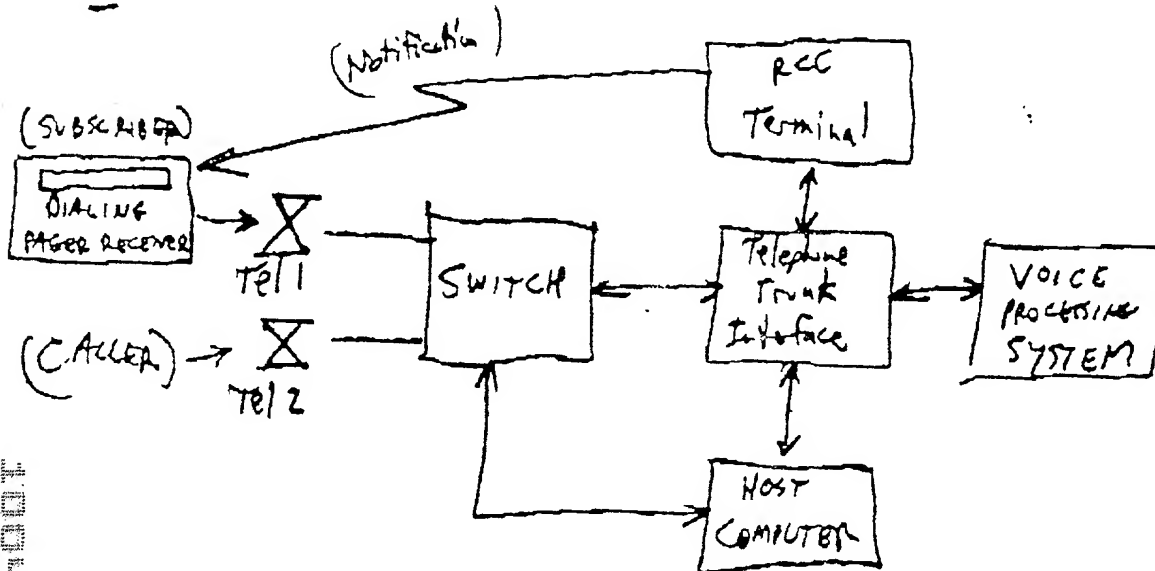
FOOTNOTES

FIG. 1



Paper -  ?

Enhanced "Meet Me" service ^{communication system} using a dialing paging receiver to respond to notification in the communication system described.



see U.S. 5,208,849 FU
 5,151,924 WOLF
 5,212,721 DeLuca et al.
 4,490,579 Gaborian
 4,408,099 Ishii
 4,440,963 Gutman et al.

FIG 10

- # for meet-me service is stored for redial ~~the~~
- # for access code is stored for redial ~~the~~

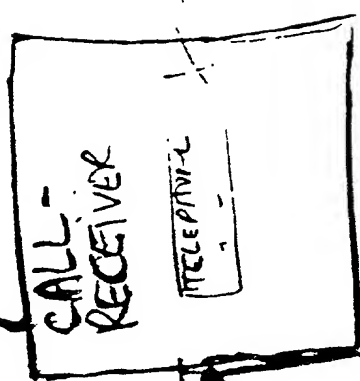
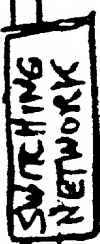
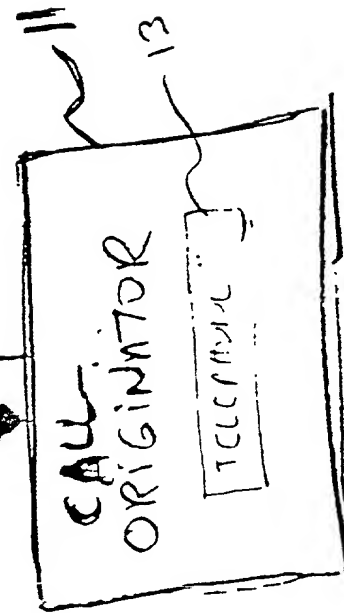
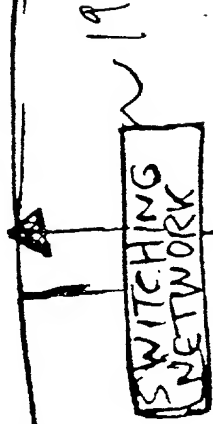
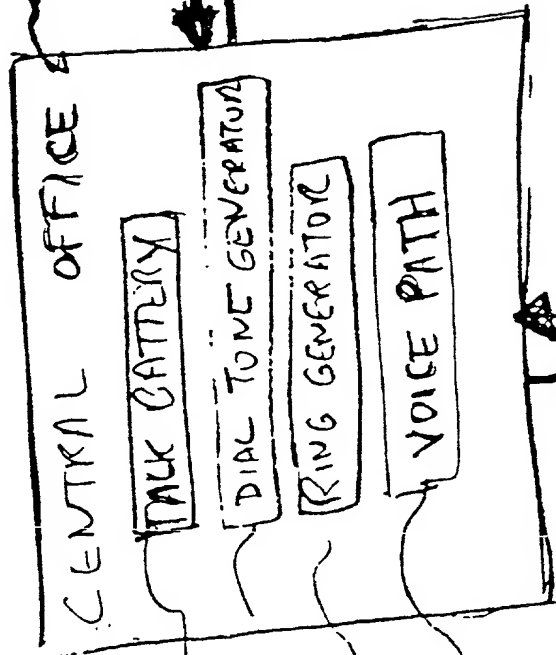
Poss. simple claim: In an enhanced "meet me" service communication system, a means ~~for~~ upon receipt of a paging signal ^{within a party receiver} for selectively displaying either a paging center telephone number for immediate connection with a calling party placed on hold or a means upon receipt of a paging signal for displaying data representing the location of a calling party for ~~the~~ ^{at least} establishing communication after the calling party is no longer on hold.

A means as is above to convert said received paging code telephone number, and access code and calling party location data into DTMF signals to ~~be transmitted to~~ ^{establish} a telephone connection between the calling and the called party.

(2)

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23



4

FIGURE 11 (PRIOR ART)

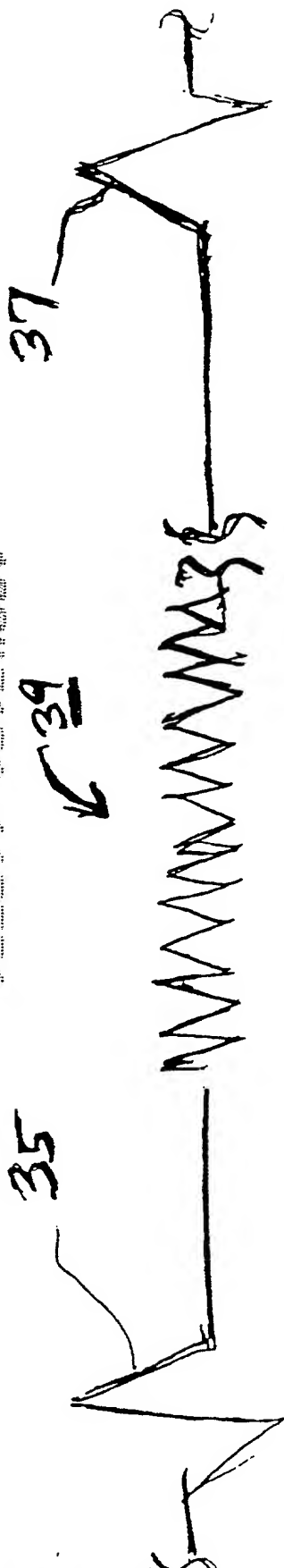


FIGURE 12a (PRIOR ART)

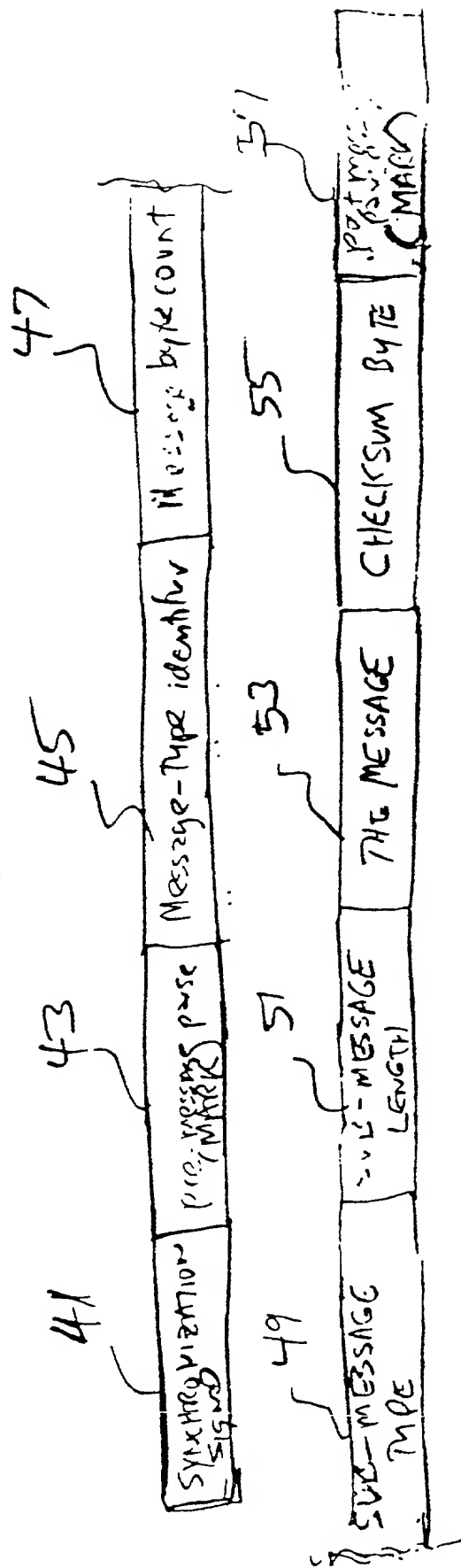


FIGURE 12b (PRIOR ART)

FOOT, T6T400T

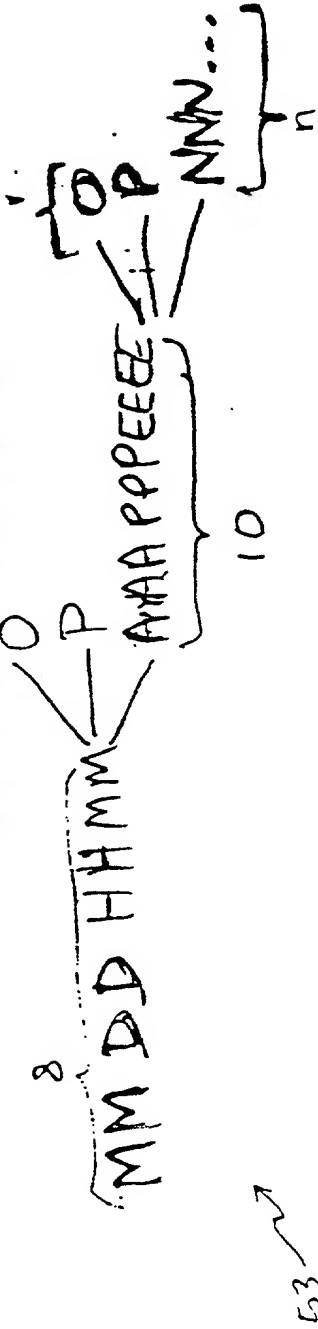


FIGURE 12C (PRIOR ART)

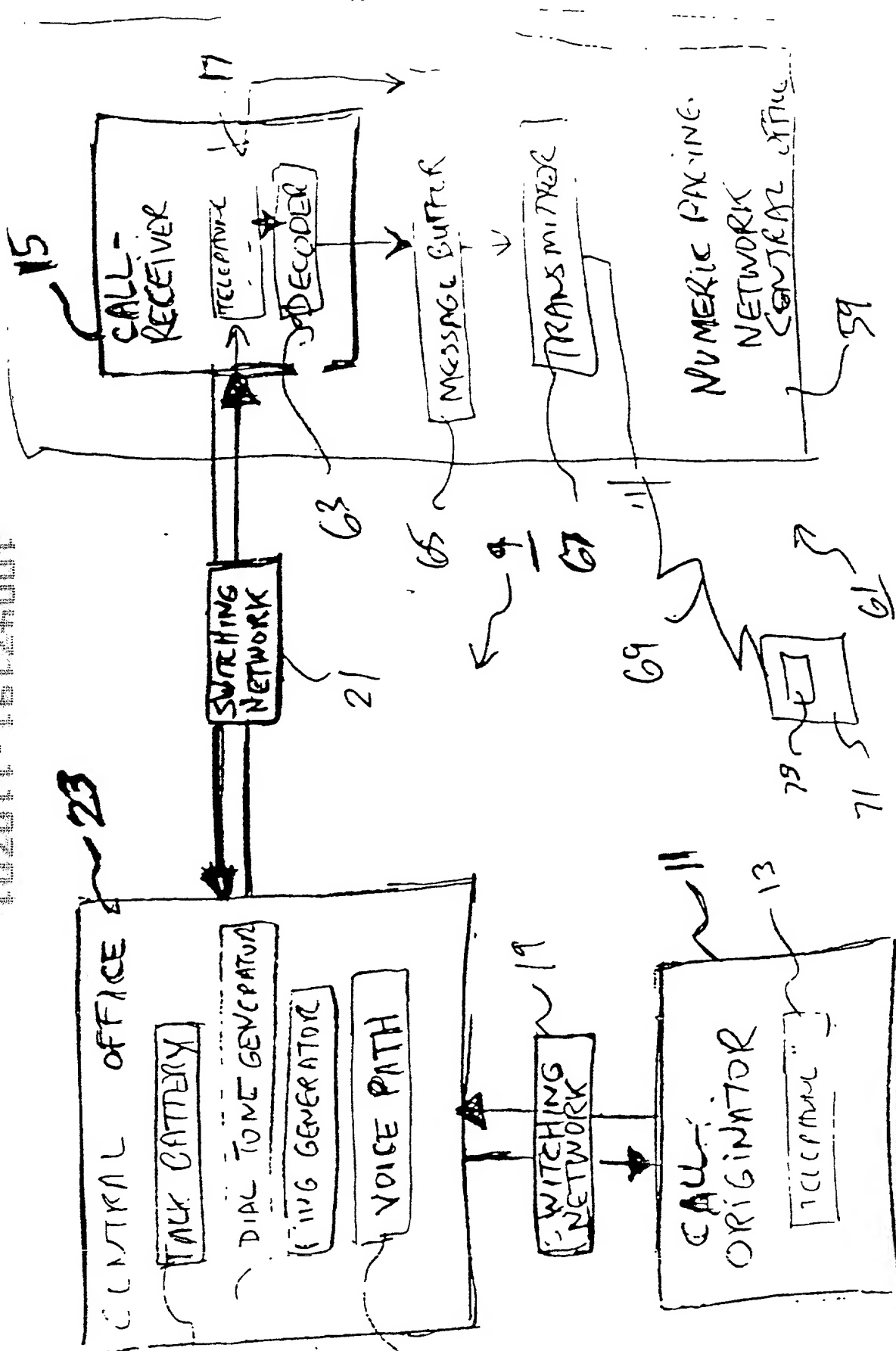


FIGURE 13

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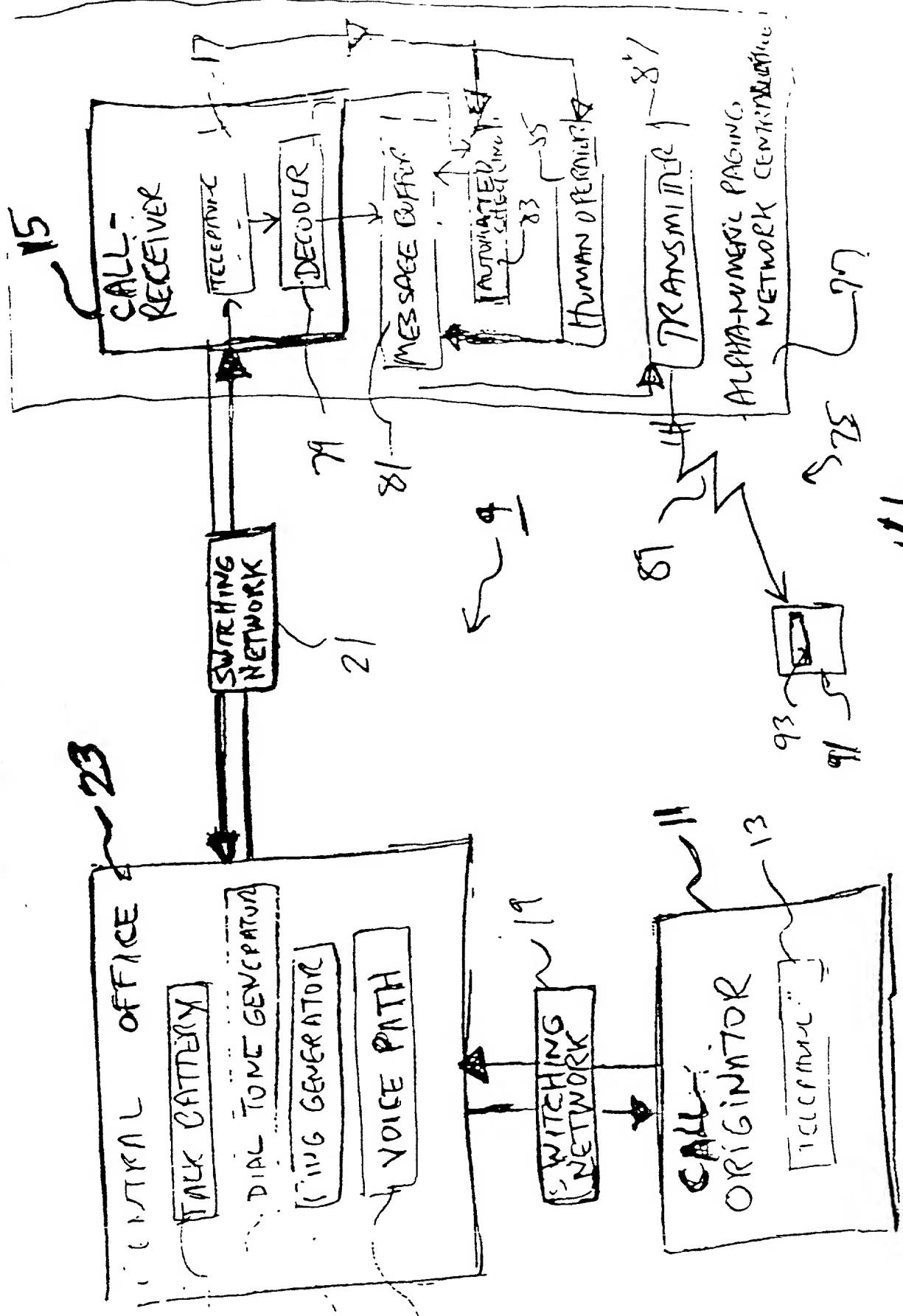


FIGURE 14

08/726024

MESSAGE CODE NO.	TEST VAL MESSAGE RECEIVED
*1	CALL WHEN YOU RETURN
*2	VOICE MAIL RECEIVED
*3	FAX MAIL RECEIVED
*4	ELECTRONIC MAIL RECEIVED
*5	IMAGE DATA RECEIVED
*6	OTHER DATA RECEIVED
*911	CALL IMMEDIATELY
⋮	
⋮	
⋮	

Figure 15

10047191-110701

CALLER LOCATION DATA	CALLER IDENTIFICATION DATA (DTMF entry by caller)	CALLER MESSAGE CODE (DTMF entry)
1 MNYK... <small>(CALLER I.D. DATA FROM TEL. CO.)</small>	ABC--	NN
2 NMYK...	DEF...	MM
49 XXXX	LAN	ZI
50 KKKK	WXY	02

Figure 16

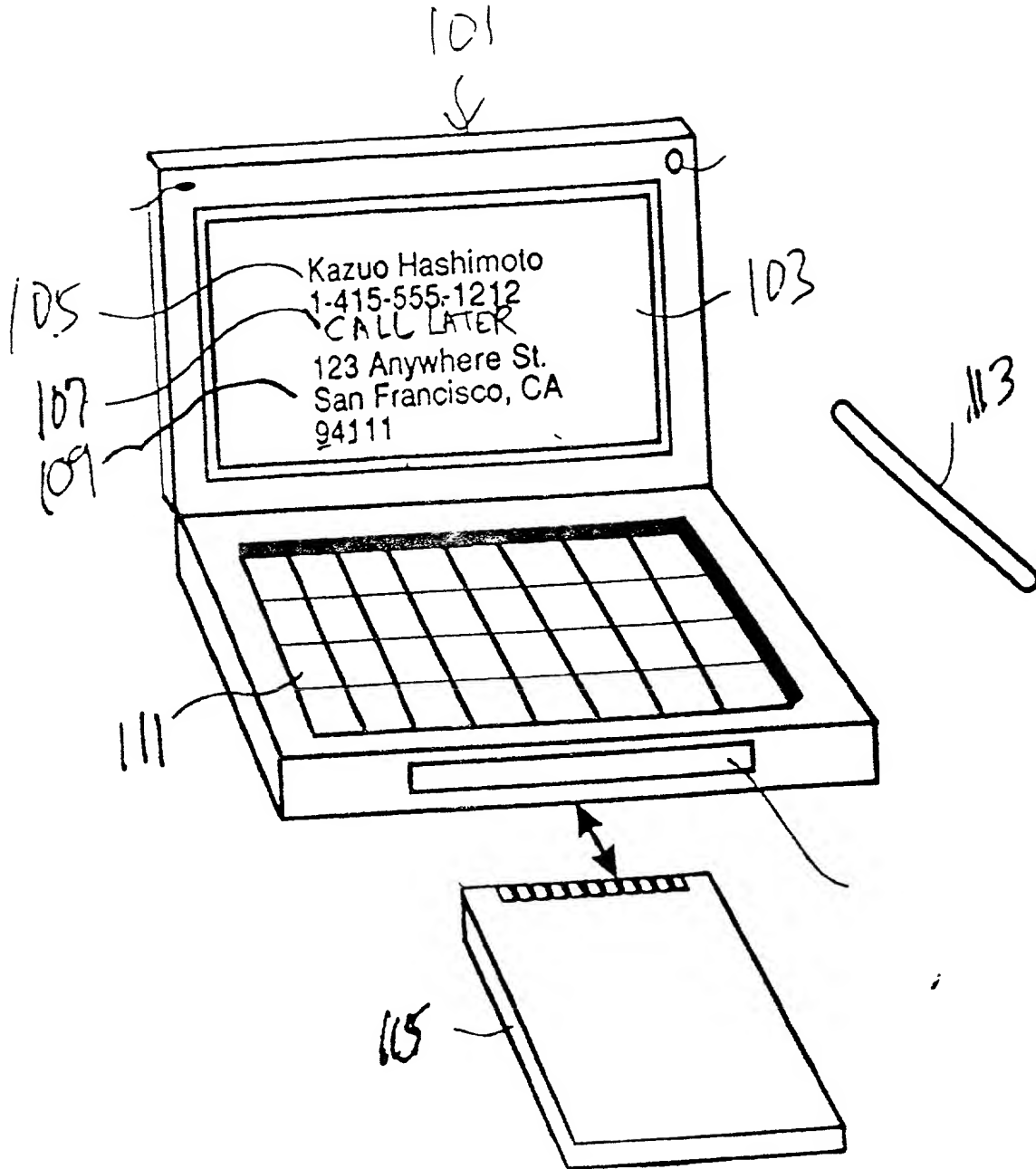


FIGURE 17

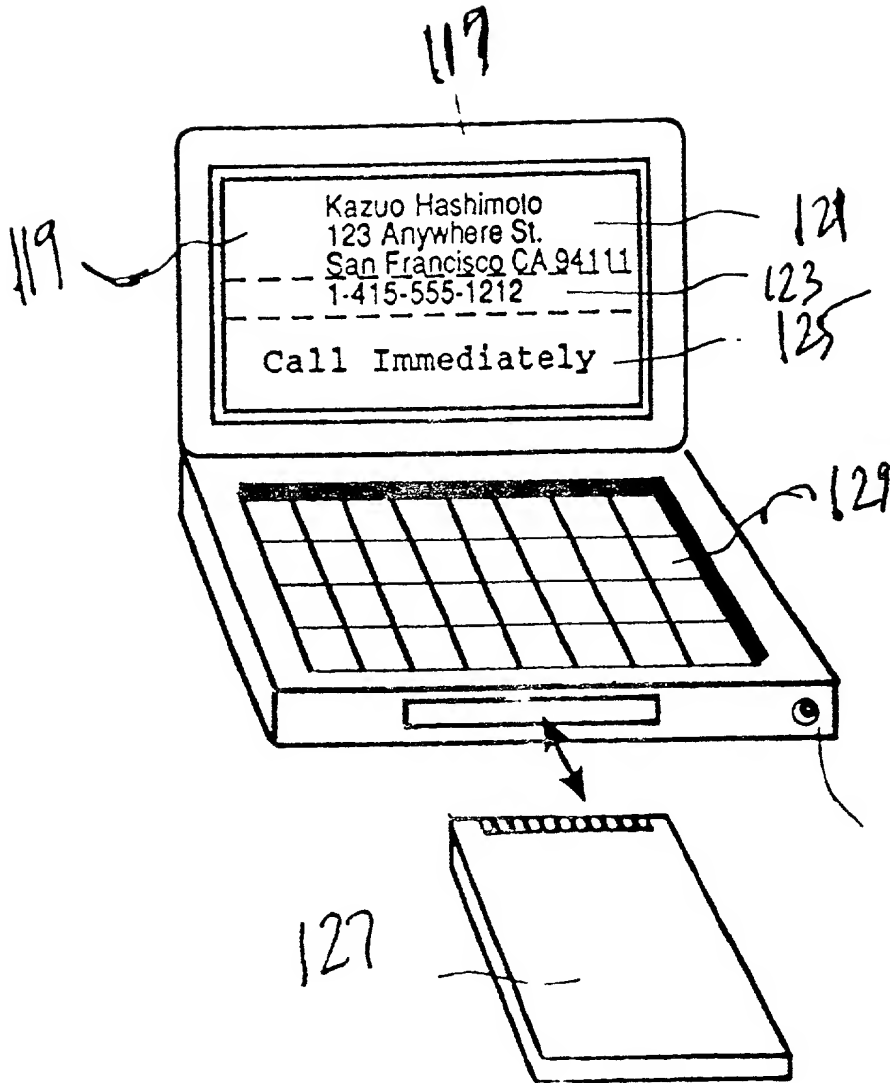


FIGURE 18

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34

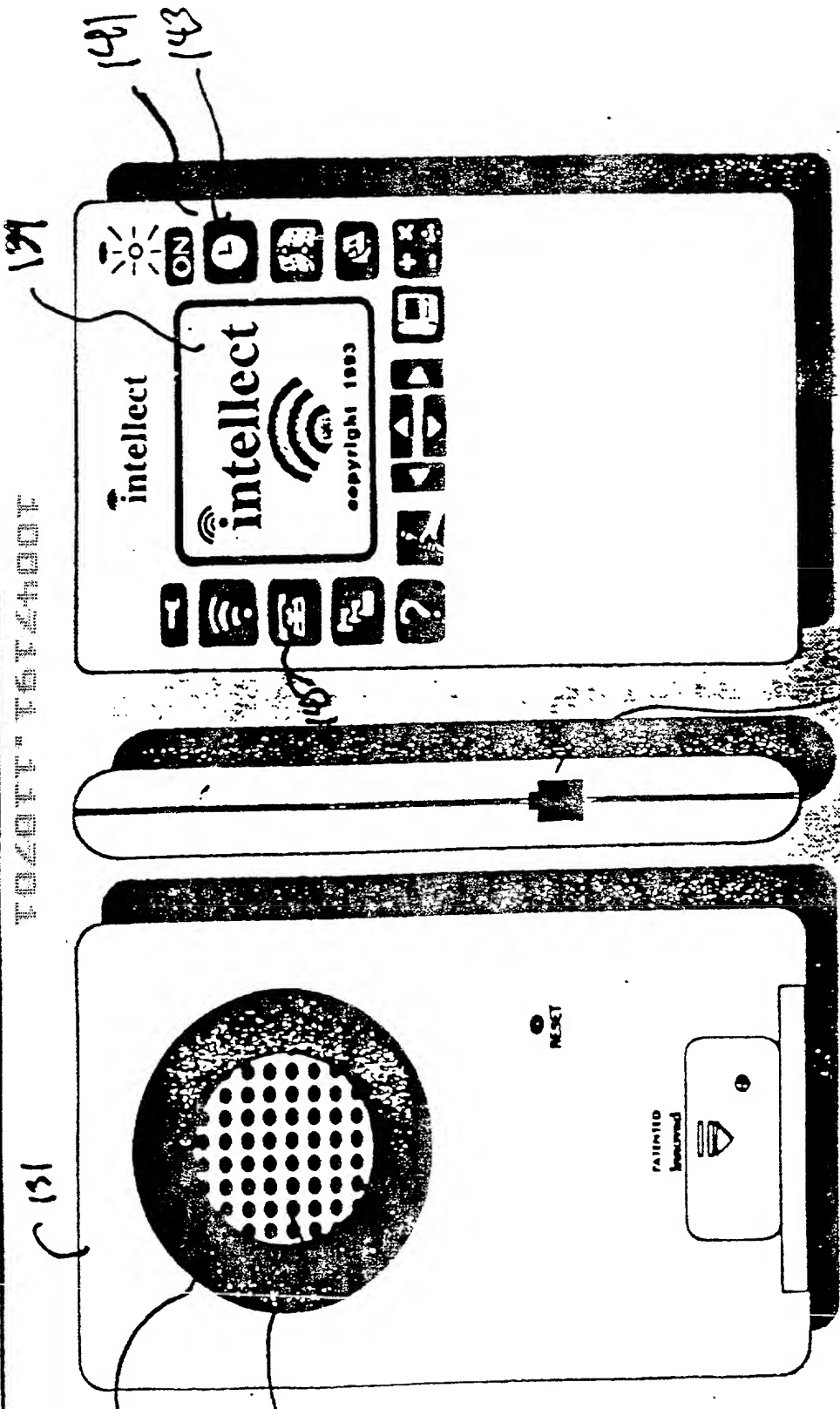


Figure 12c

Figure 13

Figure 12

10047191-11001

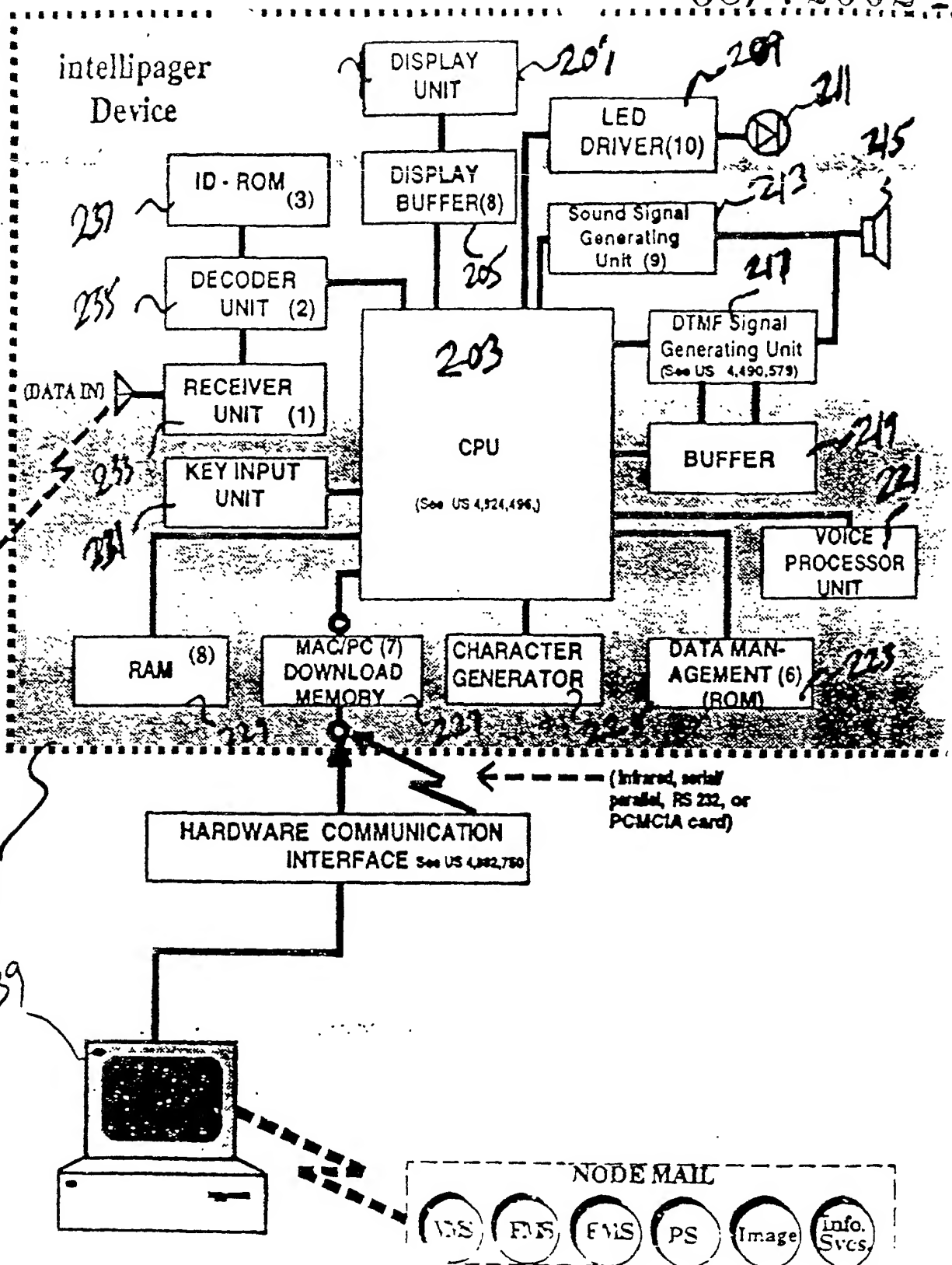
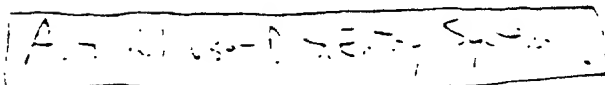


FIGURE 2D



①

	Tel. No.	Fax. No.	Name	Other Data	MT
1	1-415-555-1212	1-415-555-2121	KAZUO HASHIMOTO	123 Anywhere St., San Francisco	VI
2	1-503-777-8888	1-503-777-8889	ABC Company	1 Test Plaza, Portland OR	BL
B	1-415-555-1212	1-503-444-1212	2yz Inc	8 Way, S.F. Ca	T
50					

FIGURE 12

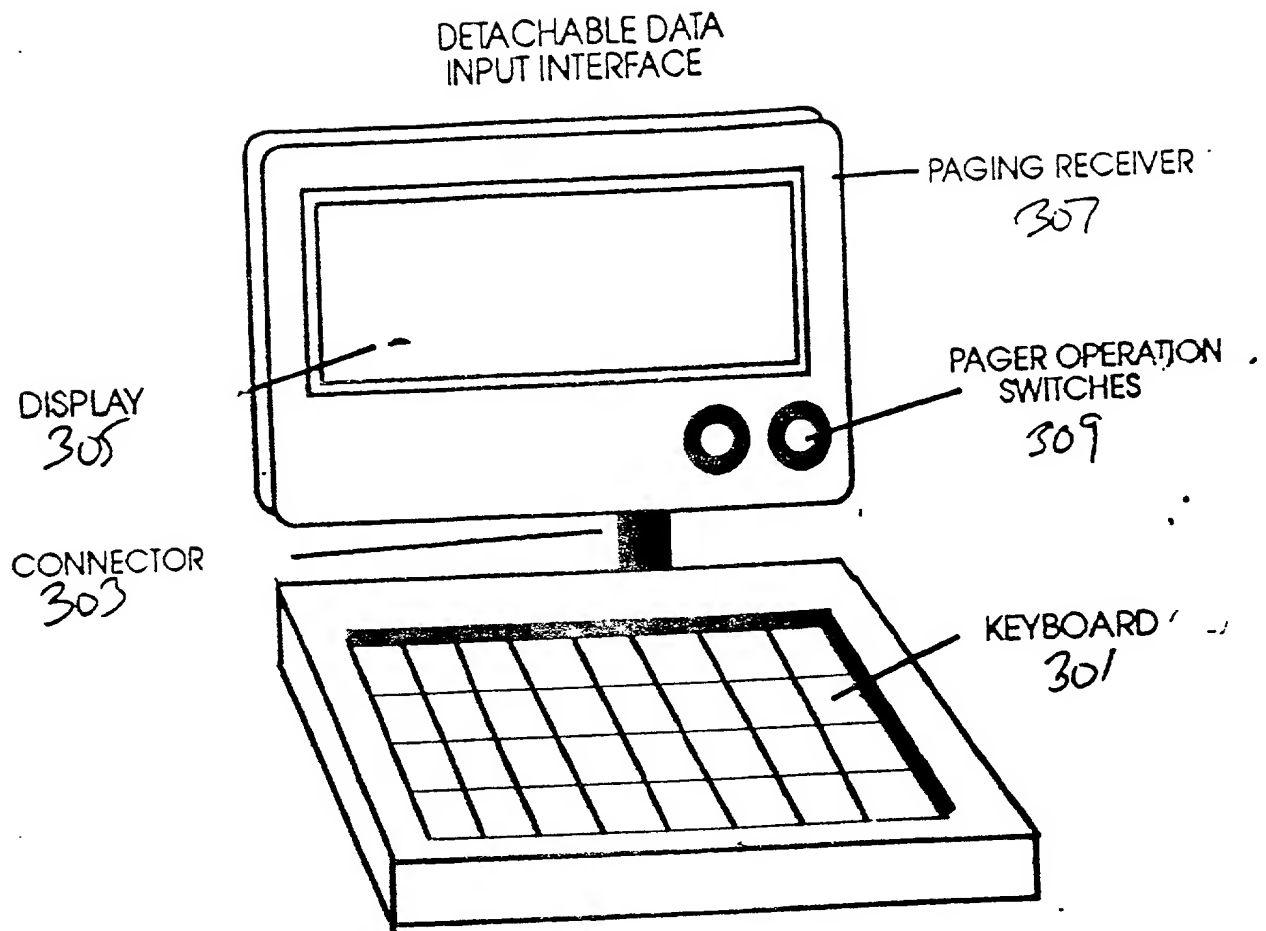


FIGURE 13

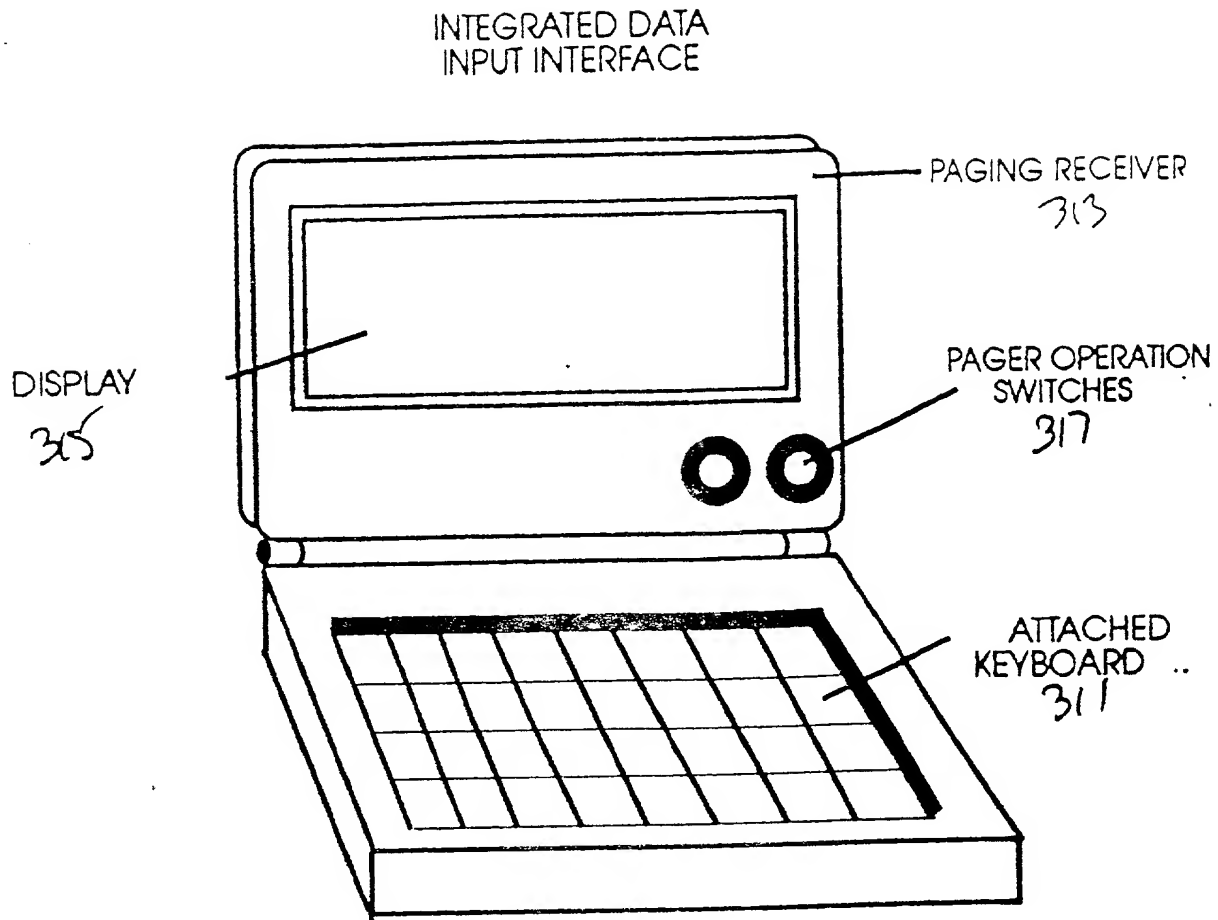


FIGURE 24

COMPUTER DOWNLOAD
DATA INPUT INTERFACE

PERSONAL
COMPUTER
327

SERIAL, PARALLEL,
INFRA-RED LINK
325

PAGING RECEIVER
321

DISPLAY
323

PAGER OPERATION
SWITCHES
319

FIGURE 25

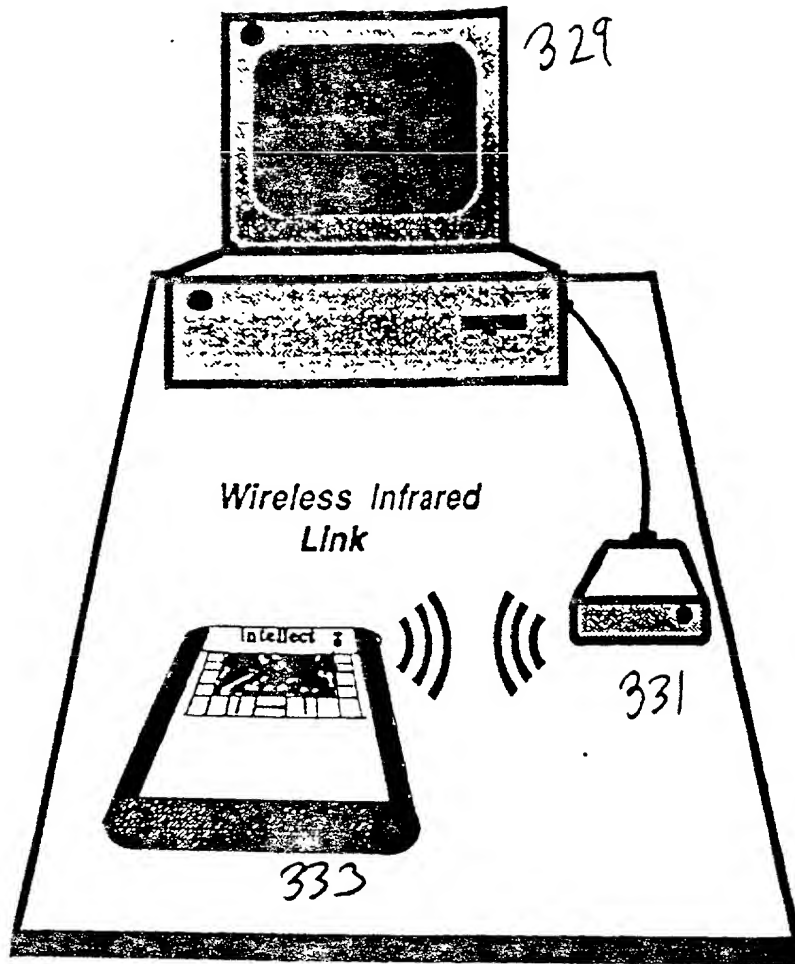
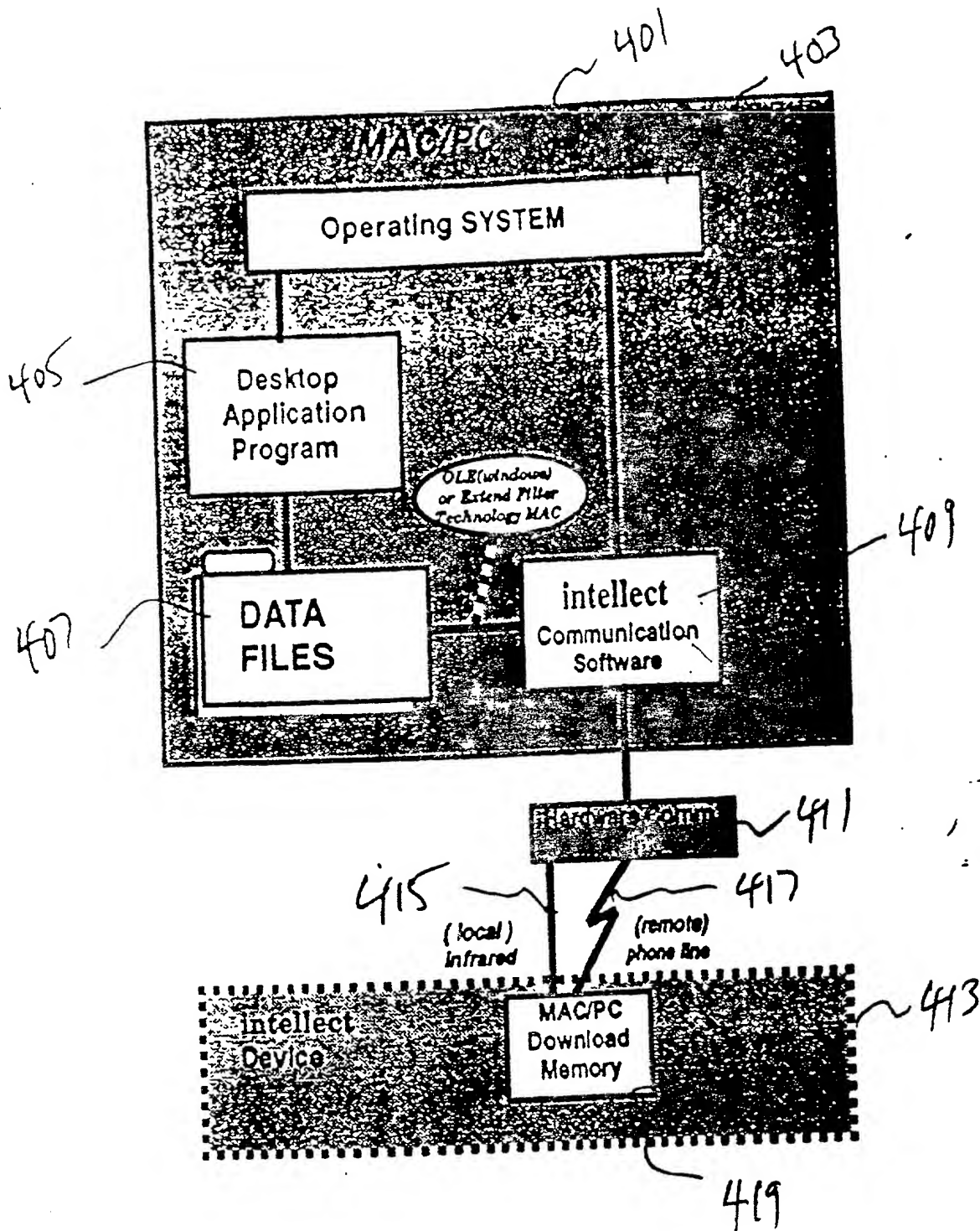


Figure 26
intellect local data link

FIGURE 26

10047191.11001

10047191.1107



intellect Software Architecture

FIGURE 27

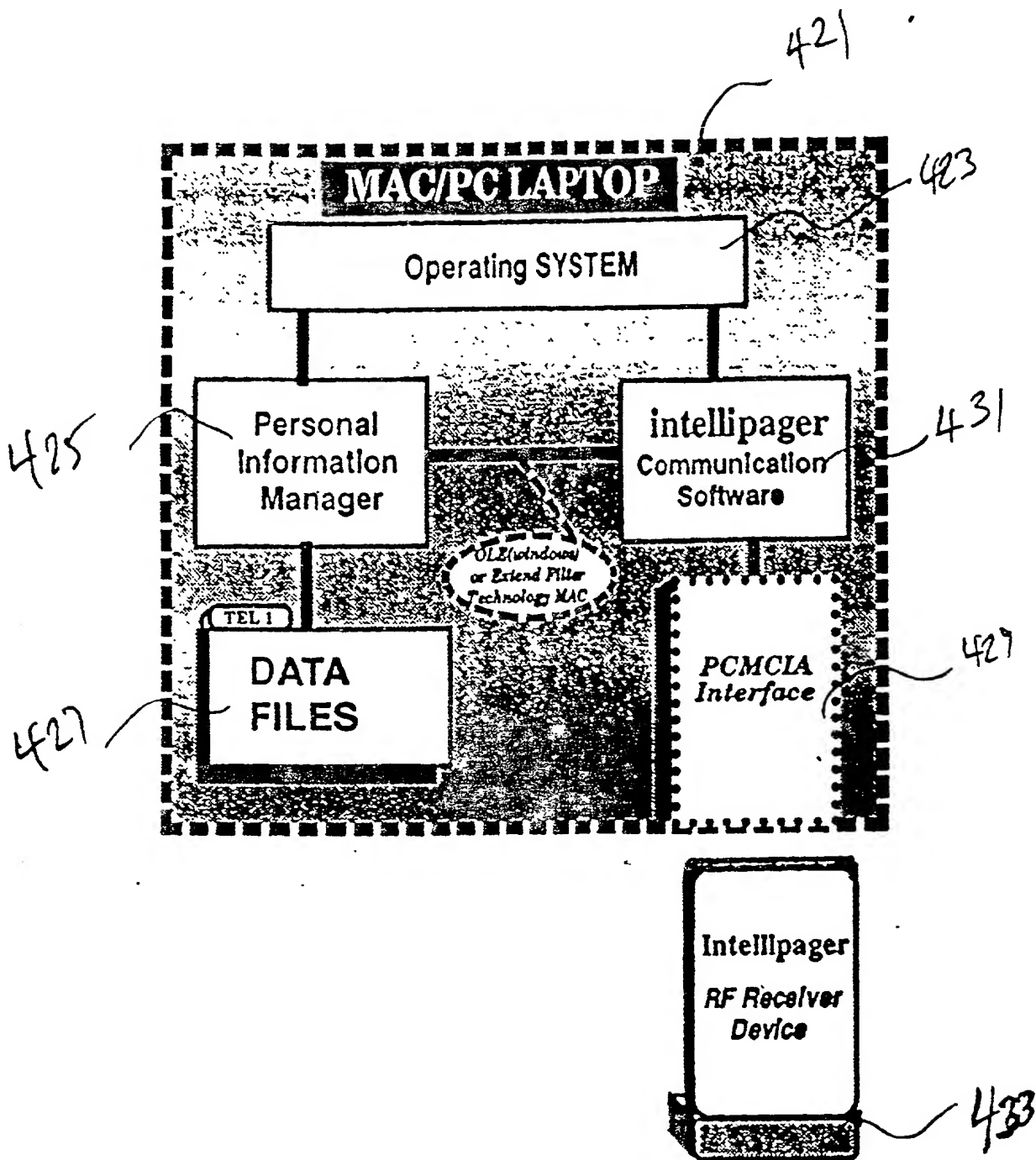


FIGURE 18

intellipager LAPTOP INTERFACE

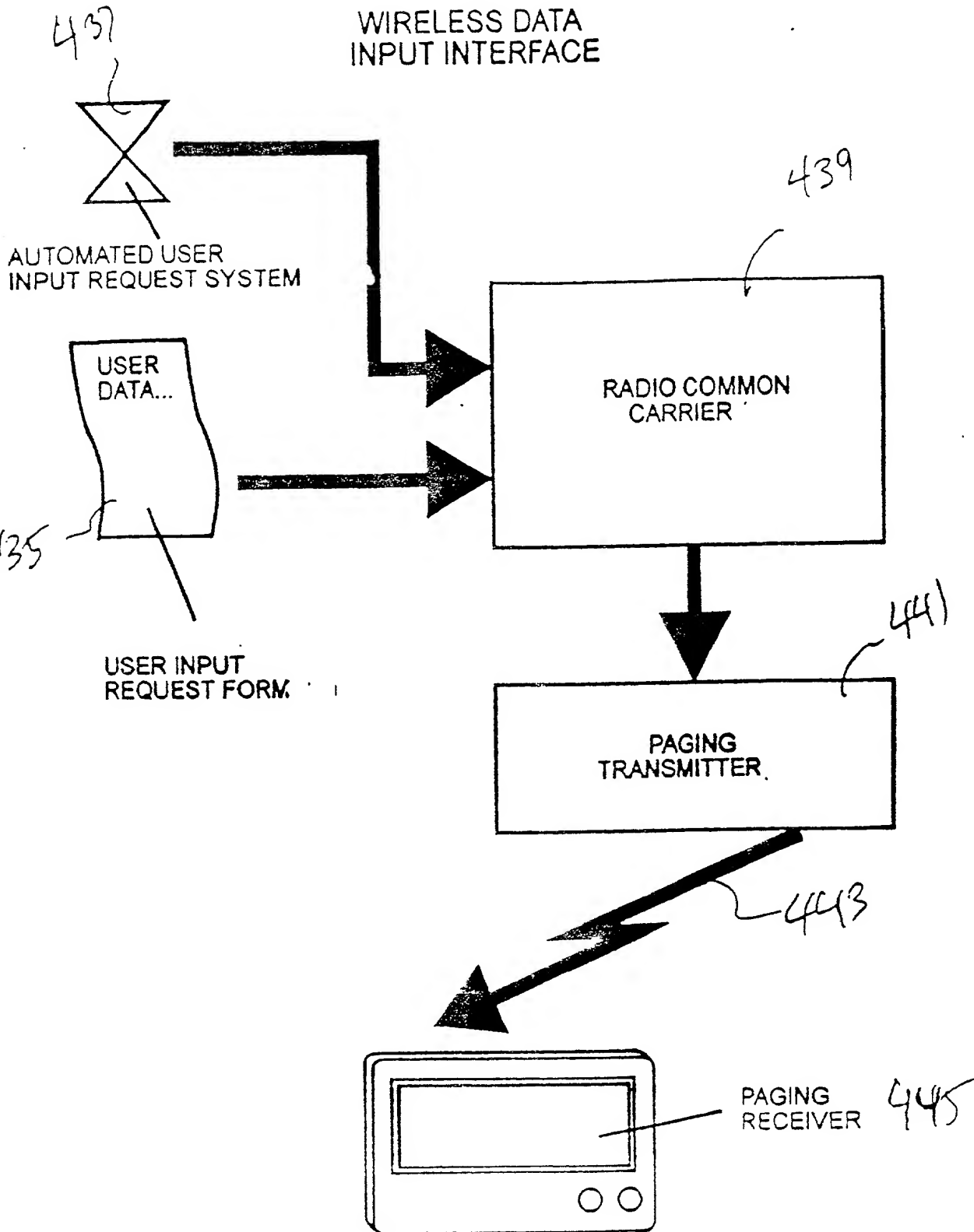
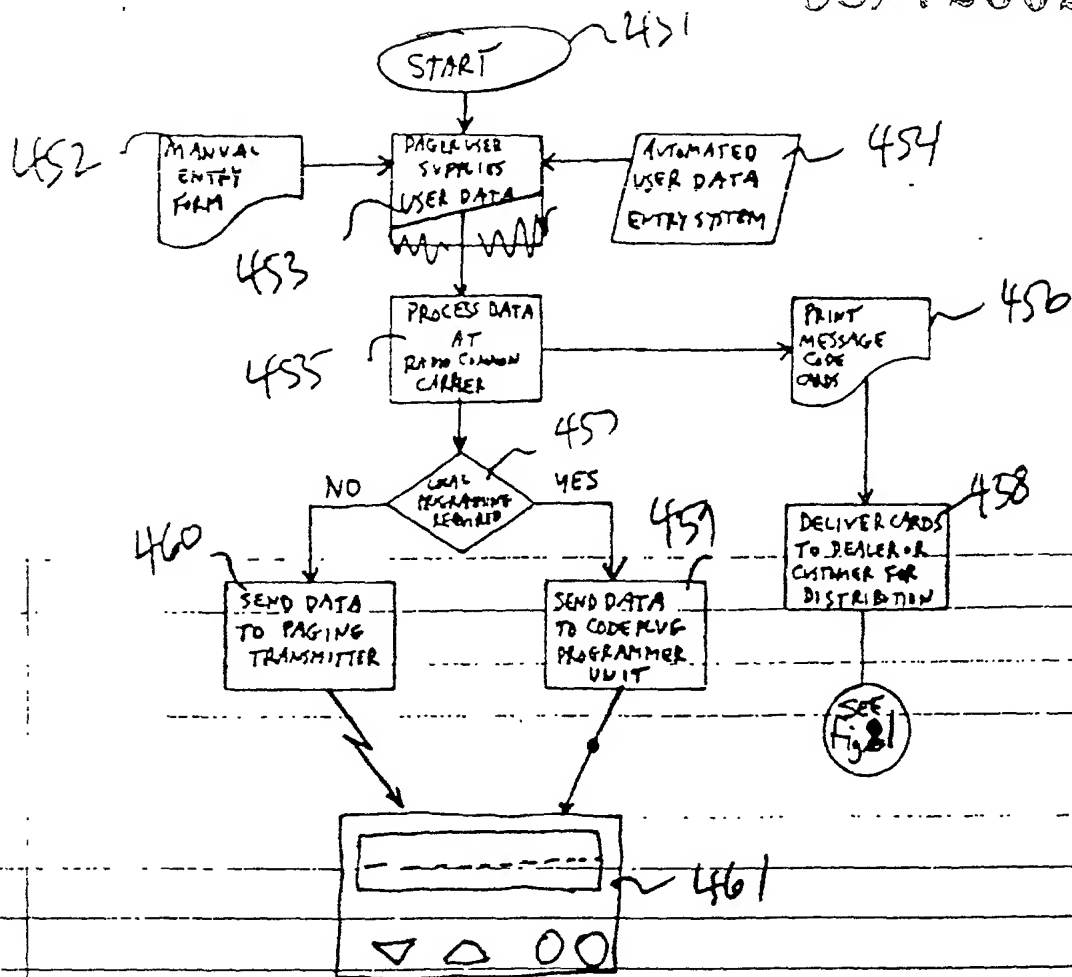


FIGURE 19

(Handwritten mark)



Message Code and Other User Data Input Process

Fig. 1

FIGURE 30

